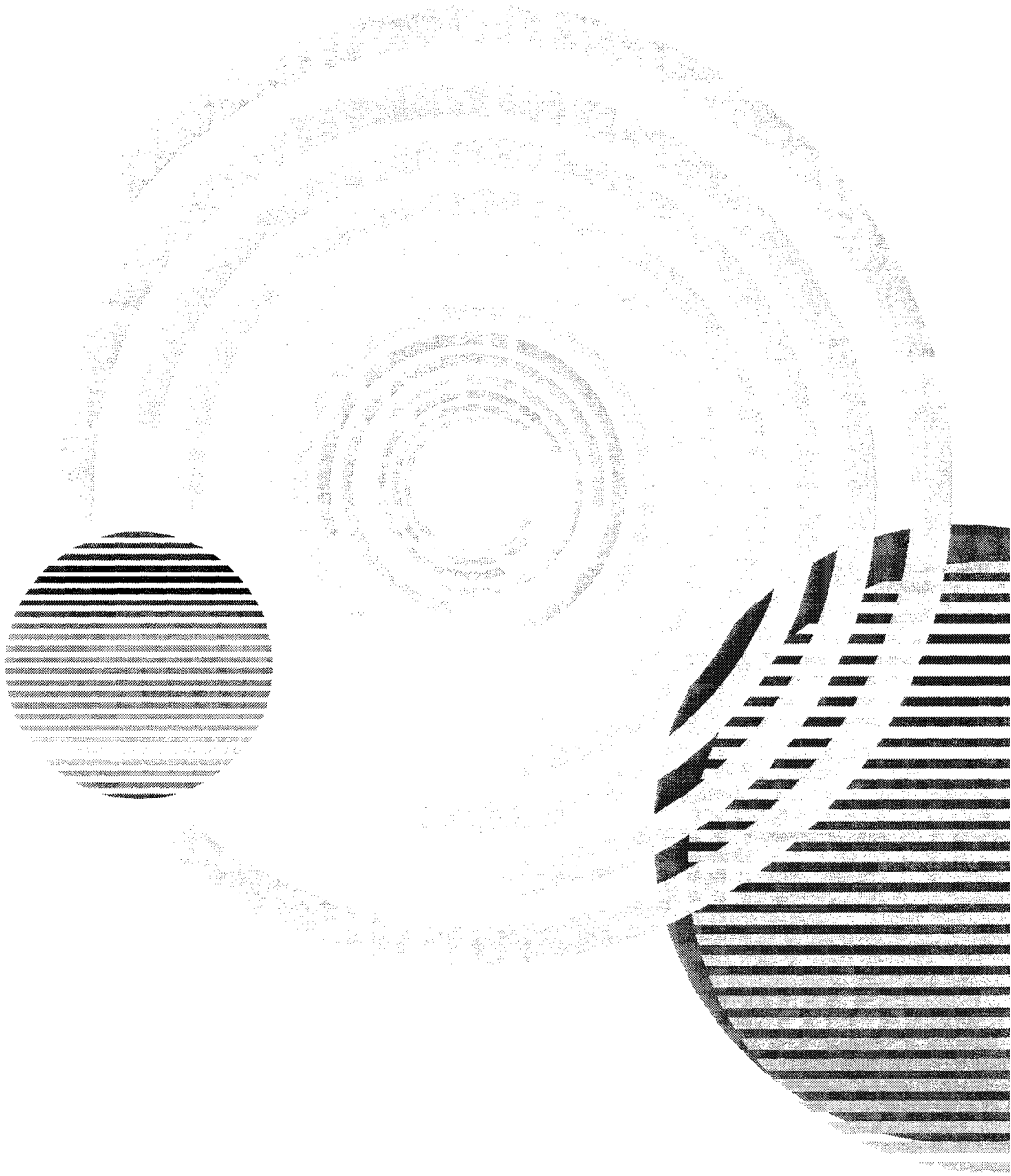
Canon

Exif Print PictBridge

Photo Printer

PIXMA
iP6320D / iP6310D Series
Quick Start Guide



Getting Help from Canon

Help Us Help You Better

Before you contact Canon, please record the following information.

Serial Number (located on the inside of the product):_____

Model Number (located on the top of the product):_____

Setup CD-ROM number (located on the CD-ROM):_____

Purchase Date:_____

Customer Technical Support Sequence*

1. **Internet — www.canontechsupport.com**
   For quick and comprehensive self-help in an intuitively guided interactive troubleshooting environment, the place to start is our helpful tech support web site. In addition, the latest driver downloads, answers to frequently asked questions, product information, and "where to buy" instructions are found here.

2. **Email Tech Support — www.canontechsupport.com**
   For individual attention to a special issue, try emailing our friendly technical support representatives, specially trained to communicate quick, easy, and logical solutions to your inquiries within 24 hours.

3. **Toll-Free Live Tech Support — (1-800-828-4040)**
   This option provides live telephone technical support, free of service charges, Monday-Saturday (excluding holidays), during your product's 1 year limited warranty period. Telephone Device for the Deaf (TDD) support is available at **(1-866-251-3752)**.

4. **Extended Service and Support — www.canonesp.com**
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   For more information and updated program specifics, please visit our web site at **www.canontechsupport.com**.

* Support program specifics are subject to change without notice.

Canon

PIXMA
iP6320D/iP6310D

Photo Printer

Quick Start Guide

Canon PIXMA iP6320D/iP6310D Photo Printer Quick Start Guide

The diagrams and computer screens in this guide refer to the iP6320D. The operations are the exactly the same with the iP6310D, unless otherwise described.

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Canon U.S.A., Inc. has reviewed this manual thoroughly in order that it will be an easy-to-use guide to your Canon PIXMA iP6320D/iP6310D Photo Printer. All statements, technical information and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representation or warranties concerning the products described.

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Basic Printing

Note This *Quick Start Guide* describes some of the features of your printer and how to use them. For more information, view the iP6320D/iP6310D *User's Guide, Printer Driver Guide,* and *Photo Application Guide* installed on your computer, or use the online help within your printer driver interface:

Windows

While in the printer's properties dialog box, press the **F1** key, or click ? in the upper right corner. Then click the feature you want to know more about, or click the **Help** button when displayed.

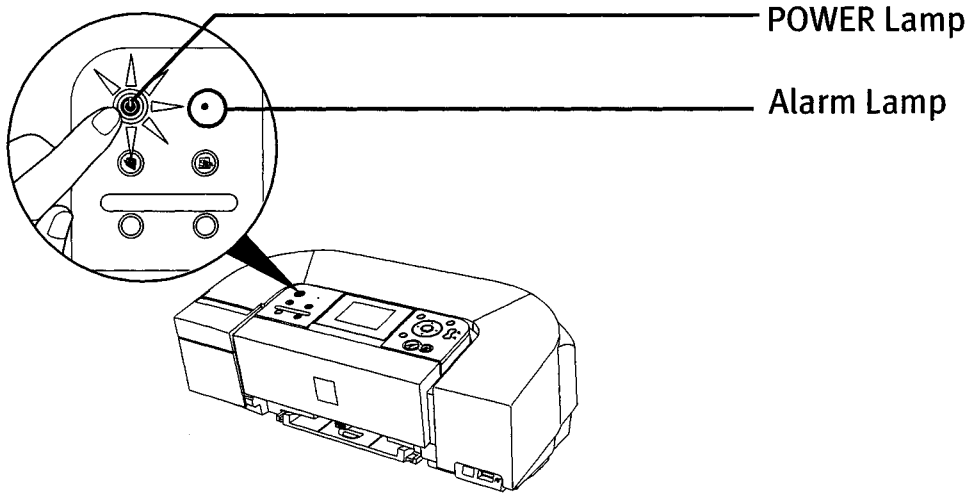
Macintosh

While in the **Page Setup** dialog box or **Print** dialog box, click ? in the lower left corner.
Clicking ? provides detailed information about each setting.
When the Help window appears, select your desired topic.

Turning on the Printer

1 To turn on the printer, press the **POWER** button.

The **POWER** lamp flashes while the printer warms up and changes to steady (non-flashing) when the printer is ready.



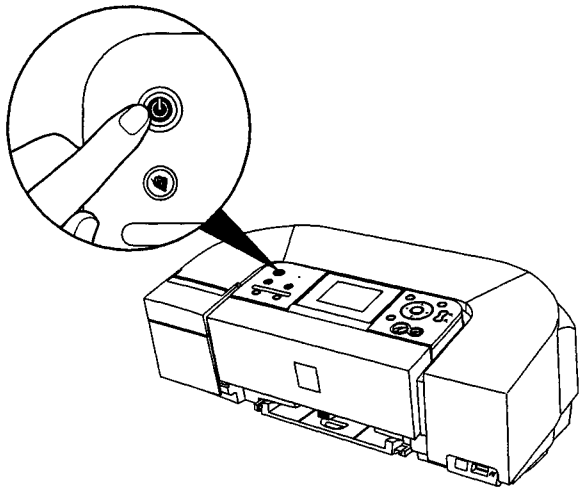
Important

- If the **Alarm** lamp lights, refer to "An Error Message is Displayed on the LCD" in the "Troubleshooting" section of the *Direct Printing Guide.*
- If the **POWER** lamp and the **Alarm** lamp flash alternately, see **"POWER Lamp and Alarm Lamp Flash Alternately"** on page 28.

Turning off the Printer

1 To turn off the printer, press the **POWER** button.

When the **POWER** lamp stops blinking, the printer is turned off.



Important **About the Power Plug**

When removing the power plug after turning off the printer, be sure to check that the **POWER** lamp is not lit. If the power plug is removed from the wall outlet with the **POWER** lamp lit or blinking, the printer cannot protect its print heads and may be unable to print.

Loading Paper

■ Print Media to Avoid

Do not use the following types of paper. Using such paper will not only produce unsatisfactory results, but can also cause the printer to jam or malfunction.

- Folded, curled or wrinkled paper
- Damp paper
- Paper that is too thin (less than 64 gsm/17 lb)
- Paper that is too thick (more than 105 gsm/28 lb)*
- Paper with holes
- Picture postcards
- Postcards with an affixed photo or sticker
- Envelopes with double flaps
- Envelopes with pressure seals
- Envelopes with an embossed or treated surface

*Non-Canon genuine paper

Also, do not use a cut paper or memo pad, when printing on a paper smaller than A5 size.

■ Preparing the Printer

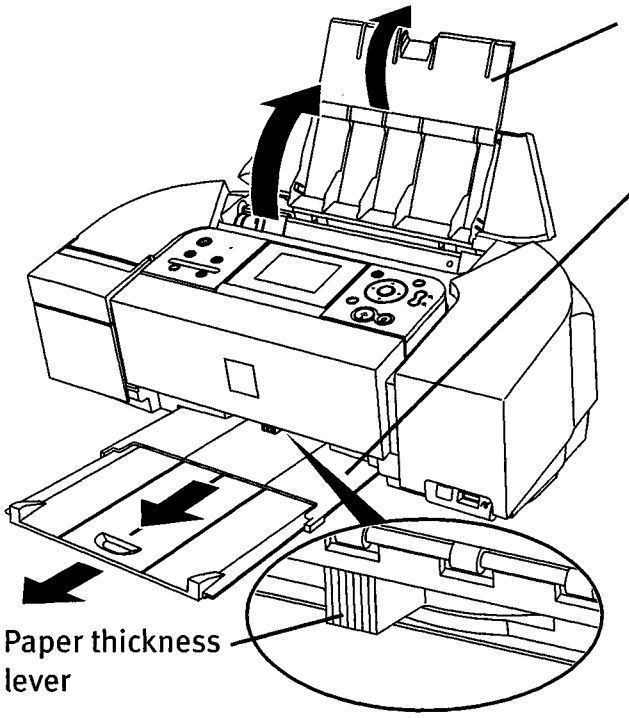
Note

- For detailed information on the specialty media Canon provides for use with its various printers, see **"Using Specialty Media"** on page 9.
- Consult "Printing Media" in the *User's Guide* for detailed instructions on how to load specialty media into the printer.

1 Flatten the four corners of the paper before loading it.

Note When paper is curled, gently bend it in the opposite direction of the curl (without curling the reverse side) and then load the paper. How to flatten paper curl, refer to **"Paper is curled"** on page 24.

2 Prepare to load paper.



(1) Open the paper support.

(2) Pull out the paper output tray.

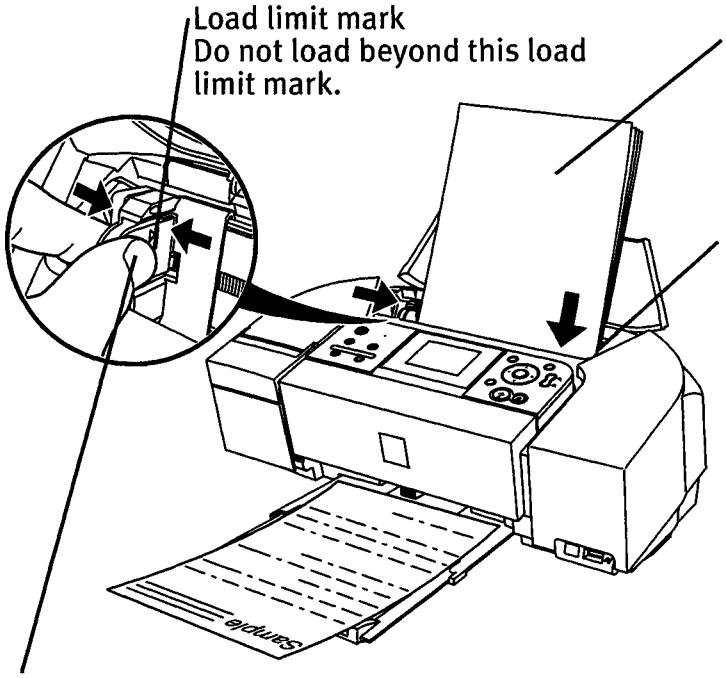
(3) Move the paper thickness lever to the correct position for the media in use. Move the lever to its left position for plain paper, and move it to the right position for envelopes and T-Shirt Transfers.
See **"Canon genuine paper"** on page 10.

Note

- Place the printer on a flat surface.
- Do not place any obstacles in front of the printer to keep this area open for paper which is ejected.
- Remove each sheet as soon as paper is ejected. If the paper output slot is stacked with printed sheets it may interfere with the printer's ejecting process.
- When performing duplex printing, pay great attention to the dust and stain on the area (desk, etc.) where the printed paper is ejected. Printing with dust and stain remaining on this area can have a bad effect on the printing result and printer.

3 Load the paper.

■ Loading Plain Paper



(1) Insert the paper into the auto sheet feeder with the print side facing up. When loading the 4" x 6" paper, load sheets in the portrait position (short side facing down).

(2) Align the paper stack against the right side of the auto sheet feeder.

(3) Pinch the paper guide and slide it against the left side of the paper stack.

Note

- You can use general copy paper or Canon's Super White Paper.
- You can load up to 100 sheets of plain paper (64 gsm or 17 lb, 10 mm or 0.39 inches in height) in the auto sheet feeder.
- Do not touch the printed surfaces until the ink dries. For specific drying times, refer to the instructions packaged with your media.

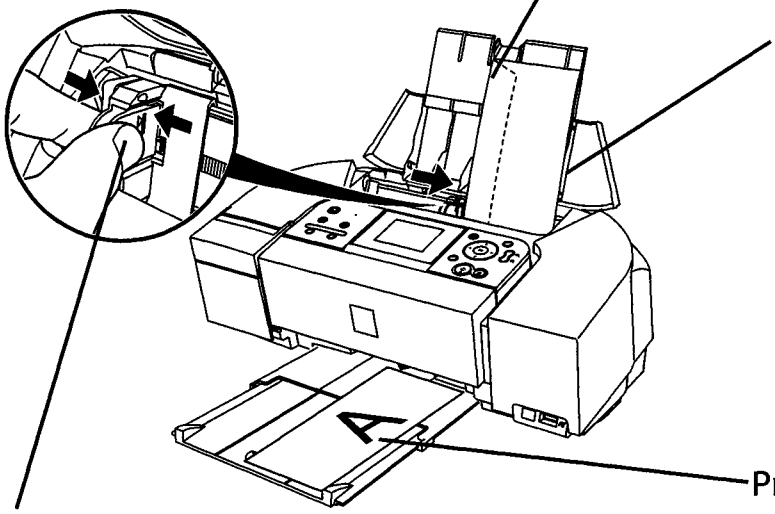
■ Loading Envelopes

Use either European DL or US Comm. #10 size envelopes.

The address is automatically rotated and printed out.

Important

- Do not use envelopes with embossed or treated surface, with a double flap or pressure seals, with sticker flaps.
- Select either **DL Env.** or **Comm. Env. #10** in the printer driver according to the envelope size you are using.
- If you do not select **Media Type** correctly, the print out results in the wrong way round.


Fold the envelope flap shut.
(1) Align the envelope against the right side of the auto sheet feeder. Set the envelope with its flap facing down on the left side. A maximum of 10 envelopes can be loaded at one time.
Printing direction

(2) Pinch the paper guide and slide it against the left side of the envelope.

Note

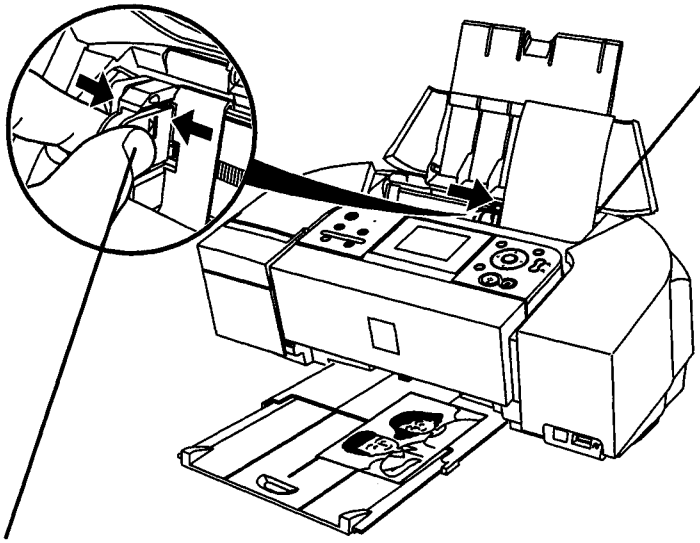
- When printing the envelope, set the paper thickness lever to the right.
- When using a special paper to inverse the print result, open the printer properties dialog box and select the **Rotate 180 degrees** check box on the **Page Setup** tab.

(3) Select **Envelope** in **Media Type**, and then select **DL Env.** or **Comm. Env. #10** in **Page Size.**

(4) Select **Landscape** in **Orientation.**

For the printer driver setting, see **"Printing with Windows"** on page 11, or **"Printing with Macintosh"** on page 13.

■ Loading Other Small-Sized Paper



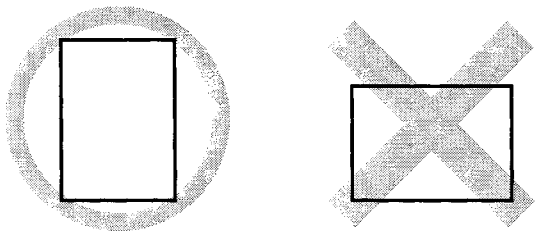
(1) Align the paper against the right side of the auto sheet feeder.
Regardless to the actual orientation of your photograph, load the paper vertically (short side first) in the printer.
A maximum of 20 sheets of size in 4" x 6" paper can be loaded at one time.

(2) Pinch the paper guide and slide it against the left side of the paper stack.

(3) Select **4x6in 101.6x152.4mm, 5x7in 127.0x177.8mm** or **Credit Card 2.13x3.39in 54x86mm** from **Page Size** in the printer driver.

For the printer driver setting, see **"Printing with Windows"** on page 11, or **"Printing with Macintosh"** on page 13.

Important Always load paper in portrait orientation. Loading paper in landscape orientation can cause the paper to be jammed.



Portrait Landscape

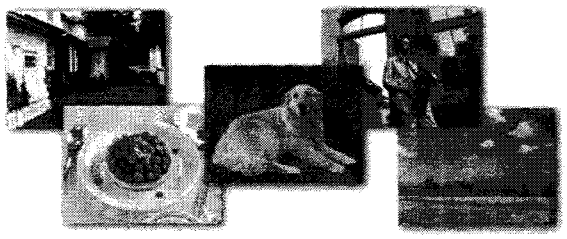
Note We recommend using Canon photo media when printing photographs.
See **"Using Specialty Media"** on page 9.

Using Specialty Media

Canon recommends that you use Canon genuine paper to ensure optimal print quality.

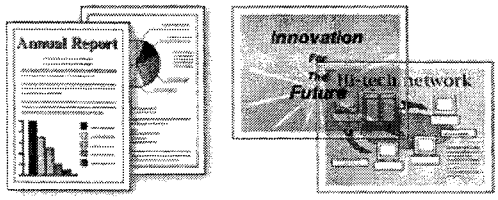
■ Photo Quality Media

- Glossy Photo Paper
- Matte Photo Paper
- Photo Paper Plus Double Sided
- Photo Paper Plus Glossy
- Photo Paper Plus Semi-Gloss
- Photo Paper Pro
- Photo Stickers



■ Media for Business Documents

- High Resolution Paper



■ Canon genuine paper

Media Name	Paper Support Load Limit	Paper Thickness Lever Position	Printer Driver Settings for Media Type
High Resolution Paper	Letter: up to 80 sheets	Left	High Resolution Paper
Super White Paper	Letter: up to 10mm	Left	Plain Paper
Glossy Photo Paper	Letter: up to 10 sheets*1 4"×6": up to 20 sheets Credit Card: up to 20 sheets	Left	Glossy Photo Paper
Matte Photo Paper	Letter: up to 10 sheets 4"×6": up to 20 sheets	Left	Matte Photo Paper
Photo Paper Plus Double Sided*1*2	Letter: 1 sheet 5"×7": 1 sheet	Left	Photo Paper Plus Double Sided
Photo Paper Plus Glossy*1	Letter: up to 10 sheets 4"×6": up to 20 sheets 5"×7": up to 10 sheets	Left	Photo Paper Plus Glossy
Photo Paper Plus Semi-Gloss*1	Letter: up to 10 sheets 4"×6": up to 20 sheets 8"×10": up to 10 sheets	Left	Photo Paper Plus Glossy
Photo Paper Pro	Letter: up to 10 sheet 4"×6": up to 20 sheets 4"×8": up to 20 sheets 8"×10": up to 10 sheets	Left	Photo Paper Pro
Photo Stickers*3*4	1 sheet	Left	Photo Paper Plus Glossy
T-Shirt Transfers	1 sheet	Right	T-Shirt Transfers

*1 When loading a stack of paper, the printed side may be marked when it is fed in. If this happens, load paper one sheet at a time.

*2 Photo Paper Plus Double Sided is not supported by Macintosh systems.

*3 You can specify the print setting easily by using the Easy-PhotoPrint provided with the *Setup CD-ROM*. For instructions on how to print from the software applications, refer to the *Photo Application Guide*.

*4 You can print photos in a memory card or digital camera on the Canon-branded sticker without a computer. For details, refer to the *Direct Printing Guide*.

Note

- When using plain paper (64 gsm or 17 lb), up to 100 sheets can be set. Set the paper thickness lever to the left and select **Plain Paper** from **Media Type** in the printer driver.
- For a detailed description of print media types, refer to the *User's Guide*.

Windows

Printing with Windows

Note

- The menu screens and dialog boxes that appear may vary depending on the application you are using.
- The steps described in this section are for printing using a computer with Windows® XP Service Pack 2 installed (hereafter called Windows XP SP2).
- You can use Easy-PhotoPrint to easily do print operations when printing photographs. Easy-PhotoPrint is provided on the *Setup CD-ROM*. For details on how to use Easy-PhotoPrint, refer to the *Photo Application Guide*.

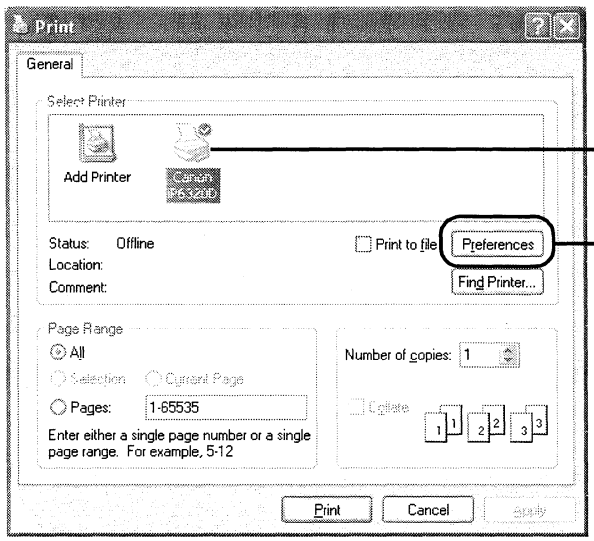
1 Turn your printer on, then set papers.

2 Create a document or open a file to print.

3 Open the printer properties dialog box.

(1) Select **Print** from the application's **File** menu.

The **Print** dialog box opens.

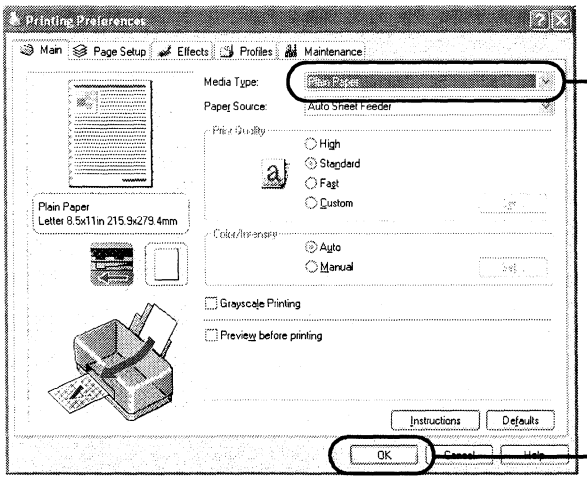


(2) Ensure that your printer is selected.

(3) Click **Preferences** or **Properties**.

Note In Windows 2000, click on the **Main** tab in the **Print** dialog box.

4 Specify the required settings.



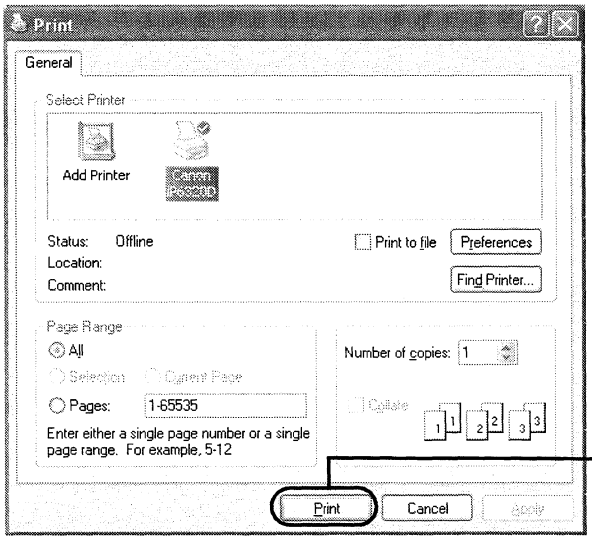
(1) Click **Media Type** to select the media loaded in the printer.

(2) Click **OK**.

Note

- From the **Page Setup** tab, select the correct document size to be printed. If the size is different from that set in the application, then you need to set it to the same size or use **Scaled Printing** or **Fit-to-Page**. Refer to the *Printer Driver Guide*.
- To adjust **Print Quality** settings, select **Custom** and click **Set** on the **Main** tab. You can control the quality in the **Custom** dialog box.
- For details about other printer driver functions, click **Help** or **Instructions** to view the Help or *Printer Driver Guide*. **Instructions** is displayed on the **Main** and **Maintenance** tabs only. If the On-screen Manual is not installed, **Instructions** is not displayed.
- Click the check box to select **Preview before printing**. This will allow you to preview a screen that shows how the selected printing effects on your document will look when printed. Some applications do not contain the preview function.

5 Print the document.



(1) Click **Print** or **OK**.

Note You can cancel a print job in progress by simply pressing the **Stop/Reset** button on the printer.

See **"Cancel Printing"** on page 15.

Macintosh

Printing with Macintosh

Note

- The menu screens and dialog boxes that appear may vary depending on the software application you are using.
- The steps described in this section are for printing using a computer with Mac® OS X v.10.4.x installed (hereafter called Macintosh®).
- You can use Easy-PhotoPrint to easily do print operations when printing photographs. Easy-PhotoPrint is provided on the *Setup CD-ROM*. For details on how to use Easy-PhotoPrint, refer to the *Photo Application Guide*.

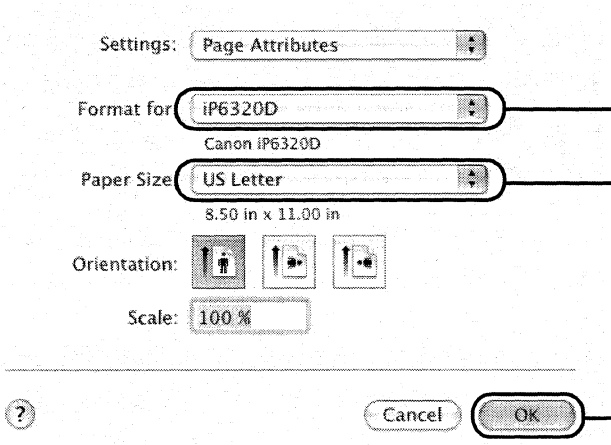
1 Turn your printer on, then set papers.

2 Create a document or open a file to print.

3 Select Paper Size.

(1) Select **Page Setup** from the application's **File** menu.

The **Page Setup** dialog box opens.



(2) Ensure that your printer is selected.

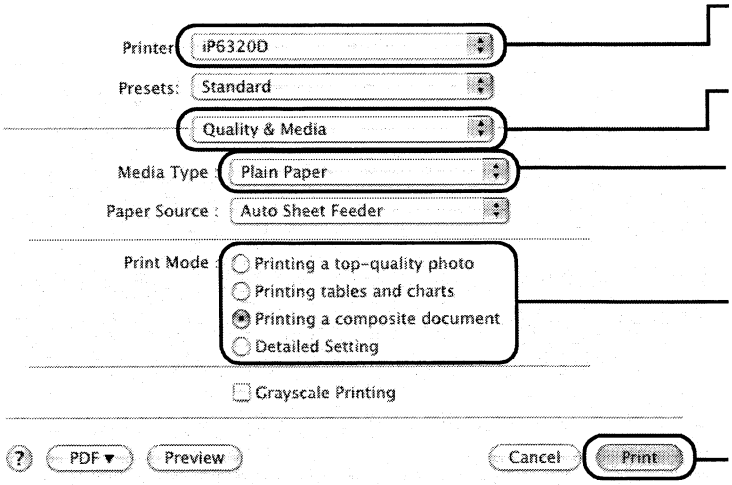
(3) Select the desired paper size from the **Paper Size** pop-up menu.

(4) Click **OK**.

4 Specify the required settings.

(1) Select **Print** from the application's **File** menu.

The **Print** dialog box opens.



(2) Ensure that your printer is selected.

(3) Select **Quality & Media** from the pop-up menu.

(4) Select the desired media type from **Media Type**.

(5) Select the print mode appropriate to your document listed under **Print Mode**.

(6) Click **Print**.

Note

- When you select the print mode appropriate to your document under **Print Mode**, the document will be printed in the color and print quality suited to the characteristics of the **Media Type** you have selected.
  - **Printing a top-quality photo**: Select when printing documents which mainly consist of photographs and graphics featuring fine color gradation.
  - **Printing tables and charts**: Select when printing documents which mainly consist of graphs and graphics (illustrations) with strong color definition.
  - **Printing a composite document**: Select when printing documents which are mainly just text.
  - **Detailed Setting**: You can fine-tune **Print Quality** and **Halftoning** settings here.
- For details about the printer driver, refer to the *Printer Driver Guide*.
- To view the *Printer Driver Guide*, click ? on any Print dialog box that has a **Quality & Media, Color Options, Special Effects, Borderless Printing,** or **Margin** selected from the pop-up menu. If the On-screen Manual is not installed, the *Printer Driver Guide* is not displayed even if ? is clicked.
- Clicking the **Preview** button displays a preview screen that allows you to confirm the selected printing effects and how your document will look when printed. Some applications do not have a preview function.
- You can cancel a print job while printing.

See **"Cancel Printing"** on page 15.

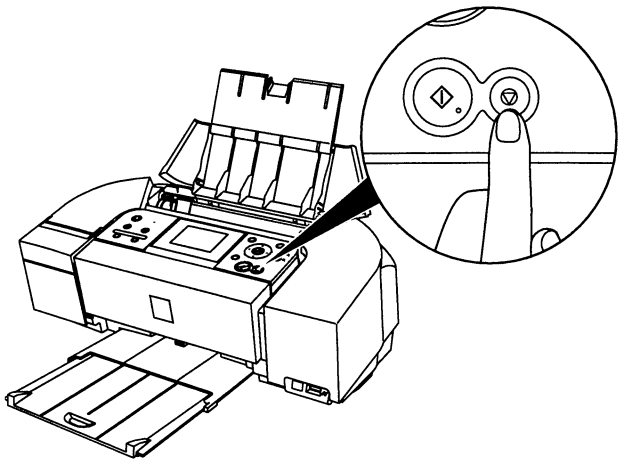
Cancel Printing

Windows

You can cancel a print job while printing by pushing the **Stop/Reset** button on the printer.

1 **Press the Stop/Reset button while the printer is printing.**

Printing is canceled and paper is ejected.



Note You can also cancel a print job by clicking **Cancel Printing** on the **Canon IJ Status Monitor**. To display the **Canon IJ Status Monitor**, click **Canon iP6320D/Canon iP6310D** on the taskbar.

Macintosh

1 **Click the printer's icon in the Dock and display the list of print jobs in progress.**

If you are using Mac OS X v.10.2.8, click on the printer icon in the Dock to start up the **Print Center** and double-click on the name of your printer in the **Printer List** to open a list of print jobs in progress.

2 **Select an undesired document and click the Delete icon.**

The print job is deleted.

Note To temporarily stop a job in progress, click **Hold**. To cancel all the jobs in the list, click **Stop Jobs**.

Accessing the Printer Driver (Windows)

The printer properties dialog box can be opened from either within an application or directly from the Windows **Start** menu.

Note This manual refers to operations in Windows XP SP2.

These operations may vary depending on the version of your Windows operating system you use.

■ Opening the Printer Properties Dialog Box from your Application Program

Note Depending on your application program, the command and menu names may differ and there may be more steps involved in opening the printer properties dialog box. For more details, see the user's manual regarding your application.

1 **In your application program, select the command to print a document.**

The **Print** dialog box can usually be opened by selecting **Print** from the **File** menu.

2 **Ensure that your printer is selected. Then click Preferences (or Properties).**

The printer properties dialog box opens.

■ Opening the Printer Properties Dialog Box Directly from the Start Menu

This method is used for printer maintenance and configuring shared print settings for all application programs.

1 **Click Start and select Control Panel, Printers and Other Hardware, and then Printers and Faxes.**

For non-Windows XP users, click **Start**, select **Settings**, and then **Printers**.

2 **Select the icon of your printer.**

3 **Open the File menu and select Printing Preferences (or Properties).**

The printer properties dialog box opens.

When opening the printer properties dialog box from **Properties**, the tabs related to the Windows function (e.g., the **Ports** tab, or the **Details** tab) are displayed. These tabs are not displayed, when the printer properties dialog box is opened from **Printing Preferences** or application programs. For details about these tabs, refer to the Windows documentation.

Note For details on how to set each function, refer to the *Printer Driver Guide* or Help.

Using the Bundled Software

The *Setup CD-ROM* includes photo applications designed to edit the photographs taken by a digital camera and print them as photo-lab quality prints without standard white borders. Use the application(s) suitable for your print purposes.

Note
- To install applications, refer to *Easy Setup Instructions*.
- For details about photo applications, refer to the *Photo Application Guide*.

■ Easy-PhotoPrint (Windows/Macintosh)

You can make a Borderless Print easily and quickly, just by selecting a photograph taken with a digital camera and the paper type on which to print it. In addition, it has tools to correct red eye caused by the camera's flash or smooth and beautify the facial skin.
It is compatible with ExifPrint*.

■ PhotoRecord (Windows)

You can create fun and unique photo albums with decorative themes such as frame, background, and clip-art. You can also copy or move the decorated photos.
It is compatible with ExifPrint*.

■ Easy-WebPrint (Windows)

You can easily print out homepages displayed on Internet Explorer® in full size without its right-hand side being cropped. This application is automatically added to the Internet Explorer toolbar. Internet Explorer 6.0 is recommended.

* ExifPrint is the worldwide standard. Under ExifPrint, the digital camera can record data tags for specific camera settings and functions such as whether the flash was on or off, if the camera was in portrait or night scene mode, etc.
Canon PIXMA Printers support ExifPrint and use a suitable photo application to read the camera data precisely, producing optimal prints. This enables you to create prints that reproduce color more accurately.

Printing Maintenance

When Printing Becomes Faint or Colors are Incorrect

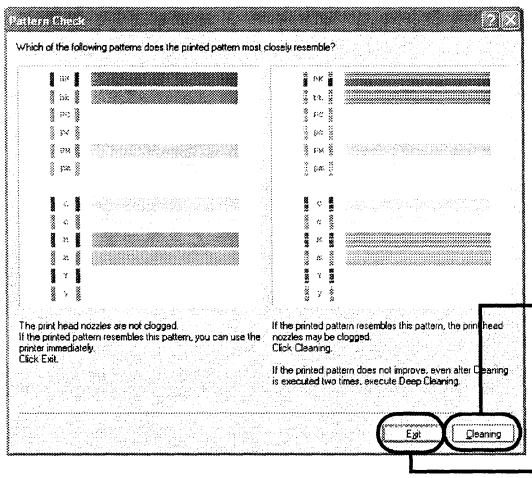
When printing becomes faint or colors are incorrect, the print head nozzles are probably clogged. Follow the procedures below to clean these nozzles.

Note Before Performing Maintenance

Remove the FINE Cartridge once, then insert it into place again. Refer to "Replacing a FINE Cartridge" in the *Direct Printing Guide*.

Step 1

Refer to "Printing the Nozzle Check Pattern" in the *Direct Printing Guide*.


Pattern Check
Which of the following patterns does the printed pattern most closely resemble?
The print head nozzles are not clogged.
If the printed pattern resembles this pattern, you can use the printer immediately.
Click Exit.
If the printed pattern resembles this pattern, the print head nozzles may be clogged.
Click Cleaning.
If the printed pattern does not improve, even after Cleaning is executed two times, execute Deep Cleaning.
Exit
Cleaning

After print head cleaning, print the nozzle check pattern.

If the print quality is poor, perform print head cleaning.

If the pattern is printed normally, click **Exit**.

Step 2

Refer to "Print Head Cleaning" in the *Direct Printing Guide*.

If the problem remains after performing print head cleaning twice

Step 3

Refer to "Print Head Deep Cleaning" in the *Direct Printing Guide*.

If the problem still remains after performing print head deep cleaning twice

Step 4

Refer to "Replacing a FINE Cartridge" in the *Direct Printing Guide*.

Note If ruled lines are misaligned, adjust the print head position.

Refer to "Aligning Print Head - Auto head align" in the *Direct Printing Guide*.

Troubleshooting

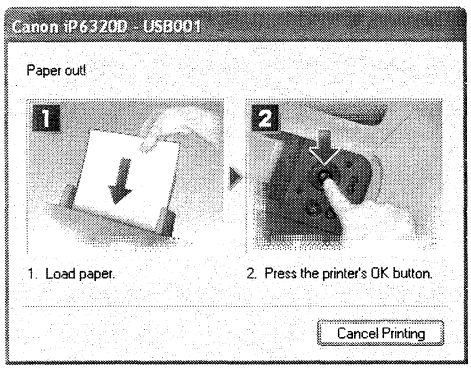
This section provides troubleshooting tips for the most common printing problems. Troubleshooting usually falls into one of the following categories.
Refer to the *User's Guide* for additional information on topics not covered in this section.
When an error message is displayed on the LCD, refer to "An Error Message is Displayed on the LCD" in the "Troubleshooting" section of the *Direct Printing Guide*. When photos cannot be printed properly from a digital camera, refer to "Cannot Print Properly from the Digital Camera" in the "Troubleshooting" section of the *Direct Printing Guide*.

- **"Cannot Install the Printer Driver"** on page 20
- **"Cannot Connect to PC Properly"** on page 21
- **"Print Quality is Poor or Contains Errors"** on page 22
- **"Printer Does Not Start or Stops During Print Jobs"** on page 25
- **"Paper Does Not Feed Properly"** on page 26
- **"Paper Jams"** on page 26
- **"An Error Message Appears on the Screen"** on page 27
- **"POWER Lamp and Alarm Lamp Flash Alternately"** on page 28

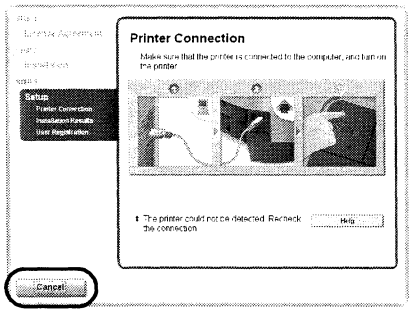
Windows

When an Error Occurs

When an error occurs in printing such as the printer is out of paper or paper jams, a troubleshooting message is displayed automatically. Take the appropriate action described in the message.
The message may vary depending on the version of your Windows operating system.



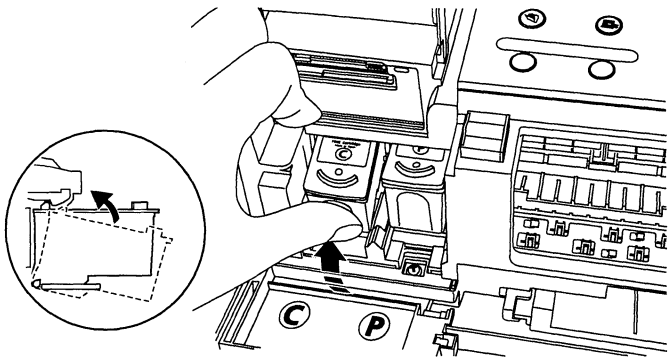
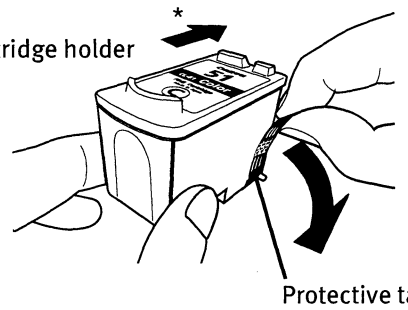
Cannot Install the Printer Driver

Problem	Possible Cause	Try This
Cannot Install the Printer Driver	Installation procedure not followed correctly	Follow the *Easy Setup Instructions* packaged with your printer for proper printer driver installation. **Windows** If the installer was forced to be terminated due to an error, Windows may be unstable. Remove the CD-ROM from the CD-ROM drive and restart your computer. Reinstall the printer driver. If this problem persists, refer to your Windows documentation for more information.
	Installation does not start automatically when the *Setup CD-ROM* is inserted into the drive	**Windows** If printer driver installation did not start automatically when you inserted the *Setup CD-ROM* into the CD-ROM drive: 1. Click **Start** and select **My Computer**. 2. Double-click the **CD-ROM** icon. For non-Windows XP users, open the **My Computer** window and then double-click the **CD-ROM** icon. **Macintosh** Double-click the **CD-ROM** icon on your desktop to start installation. If the **CD-ROM** icon is not displayed on the desktop, there is a problem with the CD-ROM. Contact the Customer Care Center.
	Windows Unable to proceed beyond the **Printer Connection** screen	 **Reinstall the printer driver.** 1. Click **Cancel** on the **Printer Connection** screen. 2. Click **Start Over** on the **Installation Failure** screen. 3. Click **Back** on the screen that appears next. 4. Click **Exit** on the Welcome screen, then remove the CD-ROM. 5. Turn the printer off. 6. Check the cable connection. 7. Restart the computer. 8. Make sure no other applications (including anti-virus programs) are running. 9. Carefully follow the procedures described in the *Easy Setup Instructions* and reinstall the driver.

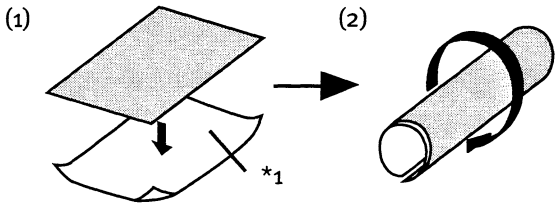
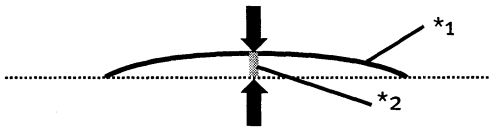
Cannot Connect to PC Properly

Problem	Possible Cause	Try This
Printing Speed Is Slow/USB 2.0 Hi-Speed Connection Does Not Work.	Your environment is not fully compatible with USB 2.0.	If your environment is not fully compatible with USB 2.0, the printer will operate at a lower speed provided under USB 1.1. Check the following to ensure that your PC environment supports USB 2.0 Hi-Speed connection. • The USB port on your PC supports USB 2.0 Hi-Speed connection. • Both the USB cable and USB hub support USB 2.0 Hi-Speed connection. Be sure to use a certified USB 2.0 Hi-Speed cable. You are recommended to use the cable no longer than 3 meters. • Your PC supports the USB 2.0 Hi-Speed connection. Obtain the latest version of the OS update program and install it on your PC. • The USB 2.0 Hi-Speed driver operates properly. Obtain the latest version of the USB 2.0 Hi-Speed driver and install it on your PC. **Important** For details on checking the above, contact the maker of your computer, USB cable, or USB hub.
Windows When You Connect to a Computer Running Windows XP, the Screen Shows the Warning Message "Hi-speed USB device plugged into non-hi-speed USB hub" or "This device can perform faster".	Your environment is not fully compatible with USB 2.0.	See **"Printing Speed Is Slow/USB 2.0 Hi-Speed Connection Does Not Work."** above.

Print Quality is Poor or Contains Errors

Problem	Possible Cause	Try This
Cannot Print to End of Job	The Page Size setting does not match the size of the paper loaded in the printer	First, check the **Page Size** setting in the application. Then, check the **Page Size** setting in the **Page Setup** tab of the printer driver for Windows or the **Page Setup** dialog box of the printer driver for Macintosh.
	Windows The size of the print data is too large	Check the size of the print data. For Windows XP and Windows 2000, if the size of the data is too large, part of it may be lost. When the spool format is EMF, follow the procedure below. 1. Open the printer properties dialog box. See **"Opening the Printer Properties Dialog Box Directly from the Start Menu"** on page 16. 2. On the **Page Setup** tab, click **Print Options**. 3. Select the **Reduce spool data size** check box and click **OK**. When **Reduce spool data size** is selected, the print quality may be degraded.
Ink Does Not Eject Properly/Not Printed/Printing is Blurred/Colors are Wrong/White Streaks Appear	FINE Cartridge is not installed properly/ there is no ink left	Remove the FINE Cartridge, then reinstall it. Small dusts may be stuck between the contact points. In this case, the print out result may be improved by reinstalling the FINE Cartridge.  Also, check that the protective tape is removed. * To the FINE Cartridge holder  Protective tape
	Print head nozzles are clogged	Print the nozzle check pattern to ensure that ink is ejected properly. Refer to "Printing the Nozzle Check Pattern" in the *Direct Printing Guide*. If the ink is not ejected properly: Refer to "Print Head Cleaning" in the *Direct Printing Guide*. Refer to "Print Head Deep Cleaning" in the *Direct Printing Guide*.

Problem	Possible Cause	Try This
	Incorrect paper type	**Windows** On the **Main** tab of the printer driver, ensure that the **Media Type** selected matches the media being used. **Macintosh** In the **Print** dialog box of the printer driver, select **Quality & Media** from the pop-up menu, and then ensure that the **Media Type** selected matches the paper loaded.
	Glossy photo paper other than Canon genuine paper is used	Select **Other Photo Paper** from **Media Type**, which may resolve the problem. Load one sheet at a time and remove each sheet as soon as it is printed.
	Print Quality is not set properly	Be sure to set the **Print Quality** setting to **High** for Windows or **Fine** for Macintosh. **Windows** 1. Open the printer properties dialog box. See **"Opening the Printer Properties Dialog Box from your Application Program"** on page 16. 2. On the **Main** tab, click **High** for the **Print Quality** setting. If you cannot select **High** or the problem is not solved, select **Custom**, click **Set**, and select the higher quality. **Macintosh** 1. Open the **Print** dialog box. You can generally select **Print** in the **File** menu from you application program. 2. In the **Print** dialog box, select **Quality & Media** from the pop-up menu, and then click **Detailed Setting**. 3. Drag the **Print Quality** slide bar towards the **Fine** side.
	Media is not loaded with print-side up	Check that your paper is loaded with the correct print side facing up. Consult "Printing Media" in the *User's Guide* for detailed instructions on how to load and use your media.
Printed Ruled Lines are Misaligned	Print head is misaligned	Align the print head. Refer to "Aligning Print Head-Auto head align" in the *Direct Printing Guide*.
	Paper thickness lever position is not proper	Set the paper thickness lever in suitable position for your media. See **"Canon genuine paper"** on page 10.
	Print Quality is not set properly	Be sure to set the **Print Quality** setting to **High** for Windows or **Fine** for Macintosh. **Windows** 1. Open the printer properties dialog box. See **"Opening the Printer Properties Dialog Box from your Application Program"** on page 16. 2. On the **Main** tab, click **High** for the **Print Quality** setting. If you cannot select **High** or the problem is not solved, select **Custom**, click **Set**, and select the higher quality. **Macintosh** 1. Open the **Print** dialog box. You can generally select **Print** in the **File** menu from you application program. 2. In the **Print** dialog box, select **Quality & Media** from the pop-up menu, and then click **Detailed Setting**. 3. Drag the **Print Quality** slide bar towards the **Fine** side.

Problem	Possible Cause	Try This
Printed Paper Curls or has Ink Blots	Paper being used is too thin	Use photo paper such as Canon's Photo Paper Pro to print photos or pictures in deep color that have high color saturation.
	Incorrect paper type	Windows On the **Main** tab of the printer driver, ensure that the **Media Type** selected matches the media being used. Macintosh In the **Print** dialog box of the printer driver, select **Quality & Media** from the pop-up menu, and then ensure that the **Media Type** selected matches the paper loaded.
Back of Paper is Smudged	Inside of the printer is dirty	If the inside of the printer is dirty, printed paper may become smudged. Periodically clean the inside of the printer. Refer to "Cleaning the Inside of the Printer" in the *User's Guide*.
	Paper feed roller is dirty	Clean the paper feed roller. Refer to "Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" in the *Direct Printing Guide*.
Printed Surface is Scratched	Inappropriate type of paper is being used	Check to see if the paper you are printing on is too thick or curled. See **"Print Media to Avoid"** on page 4. Note that smudging may occur at the top and bottom edges of paper when using **Borderless Printing**. Ensure that the paper you are using is compatible with **Borderless Printing**.
	Paper is curled	If all four corners or the printing surface of the paper is curled, the paper may become dirty or the paper may not feed properly. Use the paper after correcting paper curl as follows. 1. Face up the printing surface *1, and cover it with a non-printing regular paper to avoid damaging the surface. 2. Roll up the paper in a direction opposite to paper curl as the figure below.  3. Check the printing paper if paper curl is corrected within approximately 2 to 5 mm/0.08 to 0.2 inches*2. It is recommended to print the curl-corrected paper one sheet at a time. 
	Paper thickness lever position is not proper	Set the paper thickness lever in suitable position for your media. See **"Canon genuine paper"** on page 10. If the paper is scratched even when printing on plain paper (left), set the paper thickness lever to the right. Return the paper thickness lever to the left after printing.

Printer Does Not Start or Stops During Print Jobs

Problem	Possible Cause	Try This
Printer Does Not Start or Printer Stops During Print Jobs	There may be problems with your operating system	Restart your computer. It may solve the problem. Delete an undesired print job, if there is any. Use **Canon IJ Status Monitor** in Windows or **Printer Setup Utility (or Print Center)** in Macintosh for the deletion. **Windows** 1. Open the printer properties dialog box. See **"Opening the Printer Properties Dialog Box Directly from the Start Menu"** on page 16. 2. Click the **Maintenance** tab and then **View Printer Status**. 3. Click **Display Print Queue**. 4. Select **Cancel All Documents** in the **Printer** menu. **Note** **In Windows XP and Windows 2000** The print jobs may not be selected. 5. When the confirmation message is displayed, click **Yes**. The print job is deleted. **Note** **In Windows Me and Windows 98** Click to select an undesired document and select **Purge Print Documents** in the **Printer** menu. **Macintosh** 1. Select **Applications** from the **Go** menu. 2. Double-click the **Printer Setup Utility** icon in the **Utilities** folder. When using Mac OS X v. 10. 2, double-click the **Print Center** icon. 3. Double-click the name of your printer displayed under **Name** in the **Printer List**. 4. Click to select an undesired document and click . The print job is deleted.
Cannot Print to End of Job	Incorrect page size is selected	Ensure that the page size setting matches the size of the paper loaded in the printer: ● Check the **Page Size** setting from within your application to ensure that it matches the size of the paper loaded. ● Check **Page Size** on the **Page Setup** tab in the printer properties dialog box of the printer driver (Windows) or the **Page Setup** dialog box of the printer driver (Macintosh) to ensure that it matches the size of the paper loaded.
	Windows The size of the print data is too large	Check the size of the print data. For Windows XP and Windows 2000, if the size of the data is too large, part of it may be lost. When the spool format is EMF, follow the procedure below. 1. Open the printer properties dialog box. 2. On the **Page Setup** tab, click **Print Options**. 3. Select the **Reduce spool data size** check box, and click **OK**. **Note** When **Reduce spool data size** is set, the print quality may be degraded.

Paper Does Not Feed Properly

Problem	Possible Cause	Try This
Paper Does Not Feed Properly	Inappropriate type of paper is being used	• Check to see if the paper you are printing on is too thick or curled. See **"Print Media to Avoid"** on page 4. • Check if the paper exceeds the load limit mark. If it exceeds, load less paper. See **"Loading Plain Paper"** on page 6.
	Paper feed roller is dirty	Clean the paper feed rollers. Refer to "Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" in the *Direct Printing Guide*.
	Paper is loaded incorrectly	Load in the portrait orientation regardless of the print direction of the auto sheet feed. Ensure that paper is loaded correctly. Pinch the paper guide and slide it against the paper stack. See **"Loading Paper"** on page 4.

Paper Jams

Problem	Possible Cause	Try This
Paper Jams	Landscape credit card-sized paper jams inside the printer	Remove the paper inside of the printer. Refer to "Paper Jams" in "Troubleshooting" section of the *Direct Printing Guide*.
	Paper jams in the paper output slot/ auto sheet feeder	
	Paper is loaded incorrectly	Check to see if the paper is loaded correctly, and set the paper guide for the loaded paper correctly. See **"Loading Paper"** on page 4.

An Error Message Appears on the Screen

Problem	Possible Cause	Try This
Windows Writing Error/ Output Error/ Communication Error	Printer not ready	Ensure that the **POWER** lamp lights. If the **POWER** lamp is off, turn the printer on. When the **POWER** lamp is flashing, the printer is initializing. Wait until the **POWER** lamp stops flashing.
	Paper is not loaded	Load paper and press the **OK** button. An error message may appear if the "No paper" error has not been reset for a certain period.
	Faulty connection	Ensure that the printer is securely connected to the computer. **Note** • If you are using a switching hub or other device, disconnect the printer and reconnect it directly to the computer and try printing again. If successful, the problem may have been with the device. • There could also be a problem with the cable(s). Replace the cable(s) and try printing again.
	Printer port setting does not match the interface connected to the printer	Check the printer port settings. 1. Click **Start** and select **Control Panel, Printers and Other Hardware**, and then **Printers and Faxes.** For non-Windows XP, click **Start**, select **Settings**, and then **Printers.** 2. Select the icon of your printer. 3. Open the **File** menu and select **Properties.** 4. Click the **Ports** tab (or the **Details** tab) to confirm the port settings. A USB port is selected if either **USBnnn (Canon iPXXXXX)** or **MPUSBPRNnn (Canon iPXXXXX)** (where n is a number, and XXXXX represents 6320D or 6310D.) is indicated. If the port setting is not correct, change the port setting according to the interface you are using on the **Ports** tab (or the **Details** tab), or reinstall the printer driver.
	Printer driver is not installed properly	Uninstall then reinstall the printer driver. 1. Click **Start**, and select **All Programs** (or **Programs**), the name of your printer, and **Uninstall.** 2. Follow the on-screen instructions to uninstall the driver. 3. Follow the procedures described in the *Easy Setup Instructions* and reinstall the printer driver.
Macintosh "Error No.: 300"	Printer not ready	Ensure that the **POWER** lamp lights. If the **POWER** lamp is off, turn the printer on. If the **POWER** lamp is flashing, the printer is initializing. Wait until the **POWER** lamp stops flashing.
	Printer not properly connected	Ensure that the printer is securely connected to the computer. **Note** • If you are using a switching hub or other device, disconnect the printer and reconnect it directly to the computer and try printing again. If successful, the problem may have been with the device. • There could also be a problem with the cable(s). Replace the cable(s) and try printing again.
	Printer you want to use is not selected on the Printer popup menu on the Print dialog box	Select your printer name on the **Printer** pop-up menu on the **Print** dialog box. If your printer name does not appear on the **Printer** pop-up menu, do the following to confirm the printer settings: 1. Select **Print and Fax Preferences** from the **Printer** pop-up menu. When using Mac OS X v.10.3.x or Mac OS X v.10.2.8, select **Edit Printer List** from the **Printer** pop-up menu. 2. Ensure that your printer name is displayed and the check box is selected in the screen that is displayed. When using Mac OS X v.10.2.8, ensure that your printer name is displayed in the **Printer List.** 3. If your printer name is not displayed in the screen displayed in step 2, click **Add(+)** to add the printer. If you cannot add the printer, follow the procedures described in *Easy Setup Instructions* and reinstall the driver.

Problem	Possible Cause	Try This
Macintosh "Error No.: 1700/1711"	Ink absorber almost full	The printer has a built-in ink absorber to hold the ink used during print head cleaning, for example. This error message indicates that this ink absorber is nearly full. Press the **OK** button to clear the error so you can continue printing. Before the ink absorber becomes completely full, contact the Customer Care Center. When you experience this error, you will need to call for servicing to replace the ink absorber and to check the printer for proper operation.
Macintosh "Error No.: 2001"	A specified period of time has elapsed without receiving a response from the digital camera/The digital camera or digital video camcorder connected is not compatible with this printer	Disconnect the camera cable, and reconnect it. **Note** Depending on the model or brand of your PictBridge compliant device, you may have to select a print mode before connecting the device. You may also have to turn on the device or select Play mode manually after connecting the device to the printer. Perform necessary operations according to the instruction manual supplied with your device. If the error is still unresolved, there is a possibility that you are using a digital camera or digital video camcorder that is not supported by this printer. PictBridge-compatible digital camera or digital video camcorder can be connected to your printer for Direct Printing.
Macintosh "Error No.: 2500"	Automatic print head alignment failed	Refer to "An Error Message is Displayed on the LCD" in the *Direct Printing Guide*.

POWER Lamp and Alarm Lamp Flash Alternately

Problem	Possible Cause	Try This
POWER Lamp and Alarm Lamp Flash Alternately	An error that requires contacting the Customer Care Center may have occurred	Disconnect the printer cable from the printer, and then turn the printer off and unplug the printer from the power supply. Plug the printer back in and turn the printer back on after leaving it for a while. If the problem remains, contact the Customer Care Center.

Appendix

Specifications

Printer

Maximum resolution (dpi):	4800 (horizontal)* x 1200 (vertical) *Ink droplets can be placed in a pitch of 1/4800 inch at minimum.
Print speed * *Print speed will vary depending on system configuration, software, document complexity, print mode and page coverage.	Black printing (text pattern) Max speed (custom setting 5): 12 ppm Standard: 3.4 ppm Color printing Max Speed (custom setting 5): 10 ppm Standard: 2.9 ppm
Print width:	203.2 mm max. (8.0 in) (for Borderless Printing: 215.9 mm/8.5 in)
Interface:	USB 2.0 Hi-Speed[*1*2]/Direct Print Port/IrDA v.1.2[*3]/Bluetooth v.1.2 (Option) [*1] All operations are not guaranteed for computers standard-equipped with a USB 2.0 Hi-Speed interface. [*2] Since the USB 2.0 Hi-Speed interface is fully upwardly compatible with USB Full-Speed (USB 1.1), it can be used at USB Full-Speed (USB 1.1). [*3] IrDA v.1.2 is not supported with iP6310D.
Acoustic noise level:	Approx. 43 dB (A) (in the highest print quality mode)
Operating environment:	Temperature: 5 to 35°C (41 to 95°F) Humidity: 10 to 90%RH (no condensation)
Storage environment:	Temperature: 0 to 40°C (32 to 104°F) Humidity: 5 to 95% RH (no condensation)
Power supply:	AC 100-240 V, 50/60 Hz
Power consumption:	Standby: Approx. 1 W Printing: Approx. 11 W Off: Approx. 0.5 W
Dimensions (with a paper support and paper output tray retracted):	438 (W) x 260 (D) x 172 (H) mm 17.24 (W) x 10.24 (D) x 6.77 (H) in
Weight:	iP6320: Approx. 3.5 kg (7.70 lb.) iP6310: Approx. 3.4 kg (7.48 lb.)
Canon FINE Cartridges:	Nozzles: Color: 192 x 2 x 3 nozzles Photo: 192 x 2 x 3 nozzles

Camera Direct Print (PictBridge)

Paper size:

Default (selections based on the printer setting), 10 x 15 cm/4" x 6" (Photo Paper Plus Glossy, Photo Paper Pro, Photo Paper Plus Semi-Gloss, Glossy Photo Paper, or Photo Sticker*1), 13 x 18 cm/5" x 7" (Photo Paper Plus Glossy)*2, A4/8.5" x 11" (Letter) (Photo Paper Plus Glossy A4/Letter, Photo Paper Pro A4/Letter, Photo Paper Plus Semi-Gloss A4/Letter, Glossy Photo Paper A4/Letter, or Plain Paper A4/Letter), 5.4 x 8.6 cm/ Credit Card (Glossy Photo Paper Credit Card)

*1 Canon-brand sticker. Printing on this paper is available only when the Layout function on your camera has a 16-up option. For details, refer to "Printing Photographs Directly from a PictBridge Compliant Device" in the *Direct Printing Guide*.

*2 If using a Canon PictBridge-compatible camera, you can select it.

Paper type:

Default (selections based on the printer setting), Photo (Photo Paper Plus Glossy, Photo Paper Plus Semi-Gloss, Glossy Photo Paper), Fast (Photo Paper Pro), Plain Paper (A4/Letter only)

Layout:

Default (selections based on the printer setting), Borderless, Bordered, N-up (2, 4, 9, 16)*, 35-up*2

*1 Layout compatible with Canon-brand sticker above. For details, refer to "Printing Photographs Directly from a PictBridge Compliant Device" in the *Direct Printing Guide*.

*2 Photos are printed in 35mm Film Style layout (contact printing layout). This option can be selected for Canon PictBridge-compliant devices only. (Note that this option cannot be used for some models.)
For a Canon PictBridge-compliant device, selecting the item displayed with the [i] icon prints the shooting information (Exif data) in list format, or in the margins of specified photos. (Note that these options cannot be used for some models.)

Trimming:

Default (Off: No trimming), On (follow camera's setting), Off

Image optimize:

Default (selections based on the printer setting), VIVID*, NR (Noise Reduction)*, VIVID+NR*, Face*

* If using a Canon PictBridge-compatible camera, you can select it.

Date/File No. print:

Default (Off: No printing), Date, File No., Both, Off

Minimum System Requirements*1

Windows *2

Interface	Operating System	Processor	RAM	Hard Disk Space*4
USB 2.0 Hi-Speed	Windows XP SP1, SP2	PentiumIII*3 (Celeron 566 MHz)	128 MB	400 MB
	Windows 2000 Professional SP4			
USB	Windows XP SP1, SP2	PentiumII 300 MHz*3		
	Windows 2000 Professional SP2, SP3, SP4 Windows Millennium Edition Windows 98, 98 Second Edition			

Macintosh *2

Interface	Operating System	Processor	RAM	Hard Disk Space*4
USB 2.0 Hi-Speed USB	Mac OS X v.10.4	Intel processor PowerPC G3/G4/G5	256 MB	250 MB
	Mac OS X v.10.2.8 - v.10.3		128 MB	

*1 Conform to the operating system's requirement when it is higher than this.
For updated compatibility, visit our website.

*2 Operation can only be guaranteed on a PC with built-in USB or USB 2.0 Hi-Speed port and pre-installed Windows XP, 2000, Me, 98 or Mac OS X v.10.2.8-v.10.4.

*3 Including compatible processors.

*4 For bundled software installation.

- CD-ROM drive

Windows

- Display : 800 x 600
  Color 16 bit

Macintosh

- Display : 800 x 600
  Thousands Colors

- Mac File System: Mac OS Extended (Journaled), Mac OS X Extended

Additional Systems Requirements for On-screen Manuals

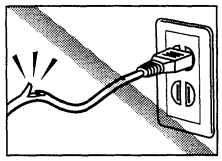
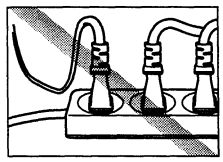
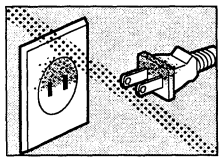
Windows
Browser: Windows HTML Help Viewer
Note: Microsoft Internet Explorer 5.0 or later must be installed. The on-screen manual may not be displayed properly depending on your operating system or Internet Explorer version. We recommend that you keep your system up to date with Windows Update.

Macintosh
Browser: Help Viewer
Note: The on-screen manual may not be displayed properly depending on your operating system. We recommend that you keep your system up to date.

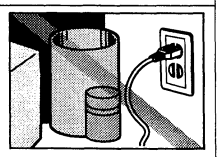
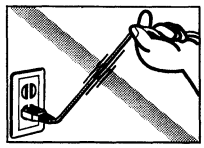
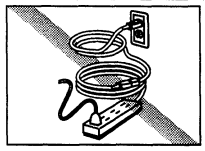
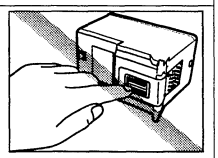
⚠ Safety Precautions

Please read the safety warnings and cautions provided in this manual to ensure that you use your printer safely. Do not attempt to use your printer in any other way than is described in this manual.

Warning You may cause an electric shock/fire or damage the printer if you ignore any of these safety precautions.

Choosing a location	**Do not place the printer close to flammable solvents such as alcohol or thinners.**
Power supply	**Never attempt to plug in or unplug the printer from the power supply when your hands are wet.**
	Always push the plug all the way into the power outlet.
	Never damage, modify, stretch or excessively bend or twist the power cord. Do not place heavy objects on the power cord. 
	Never plug the printer into a power socket that is shared with other equipment (extension lead/cord, 2- or 3- way adapter, etc.). 
	Never use the printer if the power cord is bundled or knotted.
	If you detect smoke, unusual smells or strange noises around the printer, immediately unplug the printer at the power supply and call for service.
	Periodically, unplug the printer and use a dry cloth to wipe off any dust or dirt collected on the plug and the power outlet. If the printer is placed at a location exposed to a lot of dust, smoke, or high humidity, dust collected on the plug will absorb moisture and may cause insulation failure and fire. 
Cleaning the printer	**Use a damp cloth to clean the printer. Never use flammable solvents such as alcohol, benzene or thinners.** If flammable solvents come in contact with the electrical components inside the printer, it could cause a fire or electric shock.
	Always unplug the printer from the power outlet before cleaning the printer. If you accidentally switch the printer on while cleaning it, you could injure yourself or damage the printer.
Maintaining the printer	**Do not attempt to disassemble or modify the printer. There are no user serviceable parts inside the printer.** The printer contains high-voltage components. Never attempt any maintenance procedure which is not described in this guide.
Working around the printer	**Do not use flammable sprays near the printer.** This could cause a fire or electric shock if spray were to come in contact with the electrical components inside the printer.

Caution You may cause injury or damage the printer if you ignore any of these safety precautions.

Choosing a location	**Do not install the printer in a location that is unstable or subject to excessive vibration.**
	Do not install the printer in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source. To avoid the risk of fire or electric shocks, install the printer in a location that has a constant temperature range of 5°C to 35°C (41°F to 95°F) and humidity of 10% to 90% (condensation free).
	Do not place the printer on a thick rug or carpet.
Power supply	**Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord when if necessary.** 
	Never remove the plug by pulling on the cord. 
	Do not use an extension lead/cord. 
	Never use a power supply source other than the one rated for the printer in the country of where you purchased the printer. **AC 100-240 V, 50/60 Hz**
Working around the printer	**Never put your hands or fingers in the printer while it is printing.**
	When moving the printer, carry the printer at both ends.
	Do not place any object on the printer.
	Do not place any metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the printer.
	Should any foreign object (metal or liquid) fall into the printer, unplug the power cord and call for service.
	When installing or transporting this printer, do not incline it, lay it down on its side, or turn it upside down. Ink can leak.
FINE Cartridges (Ink Cartridges)	**For safety reasons, store FINE Cartridges (Ink Cartridges) out of the reach of small children.** If a child should ingest any ink, consult a doctor immediately.
	Do not shake FINE Cartridges (Ink Cartridges). Ink may leak out and stain clothing or the surrounding area.
	Never touch the electrical contacts or nozzles on a FINE Cartridge (Ink Cartridge) after printing. The metal parts may be very hot and could cause burns. 

Regulatory Information

For 120V, 60Hz model

Model Number: K10256 (iP6320D)/K10257 (iP6310D)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
1-516-328-5600

(For U.S.A. Only)

Canadian Radio Interference Regulations

This digital apparatus does not exceed the Class B limits for radio noise emissions from a digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur NMB-003 d'Industrie Canada intitulée « Appareils numériques ».

CANON U.S.A., INC. LIMITED WARRANTY --- (USA Only)

The limited warranty set forth below is given by Canon U.S.A., Inc. ("Canon USA") with respect to the new or refurbished Canon-brand product ("Product") packaged with this limited warranty, when purchased and used in the United States only.

The Product is warranted against defects in materials and workmanship under normal use and service (a) for a period of one (1) year from the date of original purchase when delivered to you in new condition in its original container or (b) for 90 days from the date of original purchase for refurbished Products. Defective parts or a defective Product returned to a Canon USA repair facility or a Canon USA Authorized Service Facility ("ASF"), and proven to be defective upon inspection, will be repaired, exchanged for new or comparable rebuilt parts, or exchanged for a refurbished Product, as determined by the Canon USA repair facility or the ASF. Warranty repair or replacement shall not extend the original warranty period of the Product. A dated proof of purchase is required at the time of warranty service. A copy of your dated bill of sale will satisfy this requirement. This warranty does not cover any accessories, or any consumables, such as paper or ink cartridges, as to which there shall be no warranty or replacement.

This limited warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment and software. Canon USA shall have no responsibility for such items except for compatible Canon brand peripheral equipment covered by a separate warranty ("Separate Warranty"). Repairs of such Canon brand peripheral equipment shall be governed by the terms of the Separate Warranty. Non-Canon brand equipment and software that may be distributed with the Product are sold "as is" and without warranty of any kind by Canon USA, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the manufacturer or producer thereof.

This limited warranty covers all defects encountered in normal use of the Product and does not apply in the following cases:

(a) Loss of or damage to the Product due to abuse, neglect, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, improper use, failure to follow operating or maintenance instructions in, or environmental conditions prescribed in, Canon USA's user's manual or other documentation, or services performed by someone other than a Canon USA repair facility or ASF. Without limiting the foregoing, dropping the Product, scratches, and abrasions will be presumed to have resulted from misuse, abuse or failure to operate the Product as set forth in the user's manual or other documentation for the Product.

(b) Use of parts or supplies (other than those sold by Canon USA) that cause damage to the Product or cause abnormally frequent service calls or service problems.

(c) If the Product has had its serial number or dating defaced, altered or removed.

ANY SYSTEM SOFTWARE (WHETHER FACTORY LOADED ON THE PRODUCT OR CONTAINED ON THE SOFTWARE DISKETTES OR CD-ROMS ENCLOSED WITH, OR ACCOMPANYING, THE PRODUCT), AND ANY UTILITY SOFTWARE, DISTRIBUTED WITH OR FOR THE PRODUCT, IS SOLD "AS IS" AND WITHOUT WARRANTY BY CANON USA. THE SOLE WARRANTY WITH RESPECT TO SUCH SOFTWARE IS CONTAINED IN THE SOFTWARE MANUFACTURER'S LICENSE AGREEMENT DISTRIBUTED THEREWITH, INCLUDING ANY LIMITATIONS AND DISCLAIMERS THEREON. PLEASE CONTACT CANON USA IMMEDIATELY IF YOU HAVE NOT RECEIVED A COPY OF THE SOFTWARE MANUFACTURER'S LICENSE AGREEMENT.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BIND CANON USA, OR ITS ASF. (SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.) CANON USA SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON USA OR ITS ASF HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON USA OR ITS ASF BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE POSSESSION, USE, MISUSE, OR INABILITY TO USE THE PRODUCT SOLD BY CANON USA NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON USA, OR ITS ASF. (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.) THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

Canon USA offers a range of customer technical support* options:

- Interactive troubleshooting, e-mail technical support, the latest driver downloads and answers to frequently asked questions (www.canontechsupport.com)
- Toll-free live technical support Monday-Saturday (excluding holidays) at **1-800-828-4040**

- Telephone Device for the Deaf (**TDD-1-866-251-3752**)
- Repair or Exchange Service Options:
  In the event service is required for the Product during the limited warranty period, Canon USA offers two hardware support options:

Authorized Service Facility Carry-In / Mail-In Service

Canon USA's Carry-In/Mail-In Service provides repair or exchange, at Canon USA's option, through Canon USA's Authorized Service Facility (ASF) network. The name and telephone number of the ASF(s) near you may be obtained from Canon USA's Web site at: www.canontechsupport.com or by calling the Canon USA Customer Care Center at 1-800-828-4040, or any time while speaking to a technical support person. A Product covered by this limited warranty will be repaired or exchanged, as determined by Canon USA, and returned without charge by the ASF.

InstantExchange Service **

A Canon Customer Care Center or ASF technician will attempt to diagnose the nature of the problem and, if possible, correct it over the telephone. If the problem cannot be corrected over the telephone, and you elect the InstantExchange option, a reference number will be issued to you. You will be asked for the Product serial number and other information pertaining to your defective Product and for a ship-to location for the replacement Product (must include street address).

The Canon USA repair facility will ship out the replacement Product, via 2nd day Air freight service, prepaid by Canon USA. After receipt of the replacement Product (with instructions and a prepaid waybill), follow the enclosed instructions on how to ship the defective Product to the Canon USA repair facility. The defective Product must be returned in the shipping carton in which the replacement Product was packed and include the reference number, A COPY OF YOUR DATED PROOF OF PURCHASE (BILL OF SALE), and a complete explanation of the problem. DO NOT INCLUDE ANY OTHER ITEMS WITH THE DEFECTIVE PRODUCT IN THE RETURN SHIPPING CARTON, AND BE SURE TO RETAIN YOUR PRINTHEAD AND INK CARTRIDGE(S) AND TANK(S).

InstantExchange Service expedites, usually by the second business day, the exchange of a defective Product with a replacement Product, which will normally be shipped the same day if your request for this service is by 3 p.m. E.T. Monday through Friday, except holidays (three (3) business day InstantExchange Service for Alaska and Hawaii). Canon USA does not guarantee expedited shipping service in the event of the occurrence of factors beyond its reasonable control. The replacement Product you receive may be a refurbished or reconditioned unit and will be covered for the balance of the period remaining on your original limited warranty. NOTE THAT BY USING THIS SERVICE YOU WILL KEEP THE REPLACEMENT PRODUCT THAT IS SENT TO YOU. CANON USA WILL RETAIN THE DEFECTIVE PRODUCT THAT YOU ORIGINALLY PURCHASED, WHICH SHALL BECOME THE PROPERTY OF CANON USA. InstantExchange warranty program service is available only during the express limited-warranty period for your Product and only in the continental United States, Alaska and Hawaii during such period.

This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

* Support program specifics are subject to change without notice.

** InstantExchange warranty service is subject to the availability of refurbished or new replacement units.

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
USA

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Ordering Information

For additional supplies, use the following descriptions and order numbers.

Description	Order #
FINE Cartridges	
CL-41 Color	0617B002
CL-51 Color	0618B002
CL-52 Photo	0619B002
Canon Specialty Papers	
Photo Paper Plus Glossy (4" x 6"/20 sheets)	7980A007
Photo Paper Plus Glossy (4" x 6"/50 sheets)	7980A012
Photo Paper Plus Glossy (4" x 6"/120 sheets)	7980A022
Photo Paper Plus Glossy (5" x 7"/20 sheets)	7980A019
Photo Paper Plus Glossy (8.5" x 11"/20 sheets)	7980A006
Photo Paper Plus Double Sided (5" x 7"/10 sheets)	9981A006
Photo Paper Plus Double Sided (8.5" x 11"/10 sheets)	9981A005
Photo Paper Plus Double Sided Album Kit (5" x 7")	0041B005
Photo Paper Plus Double Sided Album Kit (8.5" x 11")	0041B006
Photo Paper Plus Semi-Gloss (4" x 6"/50 sheets)	8386A010
Photo Paper Plus Semi-Gloss (8.5" x 11"/20 sheets)	8386A007
Photo Paper Pro for Borderless Printing (4" x 6"/20 sheets)	1029A014
Photo Paper Pro for Borderless Printing (4" x 6"/75 sheets)	1029A027
Photo Paper Pro (8.5" x 11"/15 sheets)	1029A004
Photo Paper Pro (8" x 10"/20 sheets)	1029A059
Photo Paper Pro (8.5" x 11"/30 sheets)	1029A028
Matte Photo Paper (4" x 6"/120 sheets)	7981A014
Matte Photo Paper (8.5" x 11"/50 sheets)	7981A004
Photo Paper Glossy (4" x 6"/50 sheets)	0755B021
Photo Paper Glossy (4" x 6"/100 sheets)	0775B022
Photo Paper Glossy (8.5" x 11"/50 sheets)	0775B023
Photo Paper Glossy (8.5" x 11"/100 sheets)	0775B024
Glossy Photo Paper Credit Card Size	9157A023
Photo Stickers	0001C001
High Resolution Paper (8.5" x 11"/100 sheets)	1043A011

Call **1-800-OK-CANON** to locate a dealer near you, or visit the Canon eStore at **www.estore.usa.canon.com**.

ENERGY STAR

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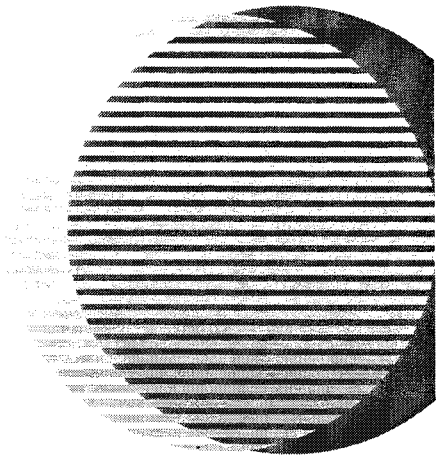
Quick Start Guide



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One Canon Plaza, Lake Success, NY 11042, U.S.A.

Canon Inc.
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Canon Canada, Inc.
6390 Dixie Road, Mississauga, Ontario, L5T 1P7, Canada

Canon Latin America, Inc.
703 Waterford Way, Suite 400, Miami, FL 33126, U.S.A.

Canon Mexicana
Boulevard Manuel Avila Camacho No. 138 PB
y Pisos 15, 16 y 17, Colonia Lomas de Chapultepec
Delegación Miguel Hidalgo, CP 11000, Mexico D.F.

The following FINE Cartridges are compatible with this printer.

For details on FINE Cartridge replacement, refer to "Replacing a FINE Cartridge" in the *Direct Printing Guide*.

QT5-0355-V01 XXXXXXXX

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PRINTED IN THAILAND

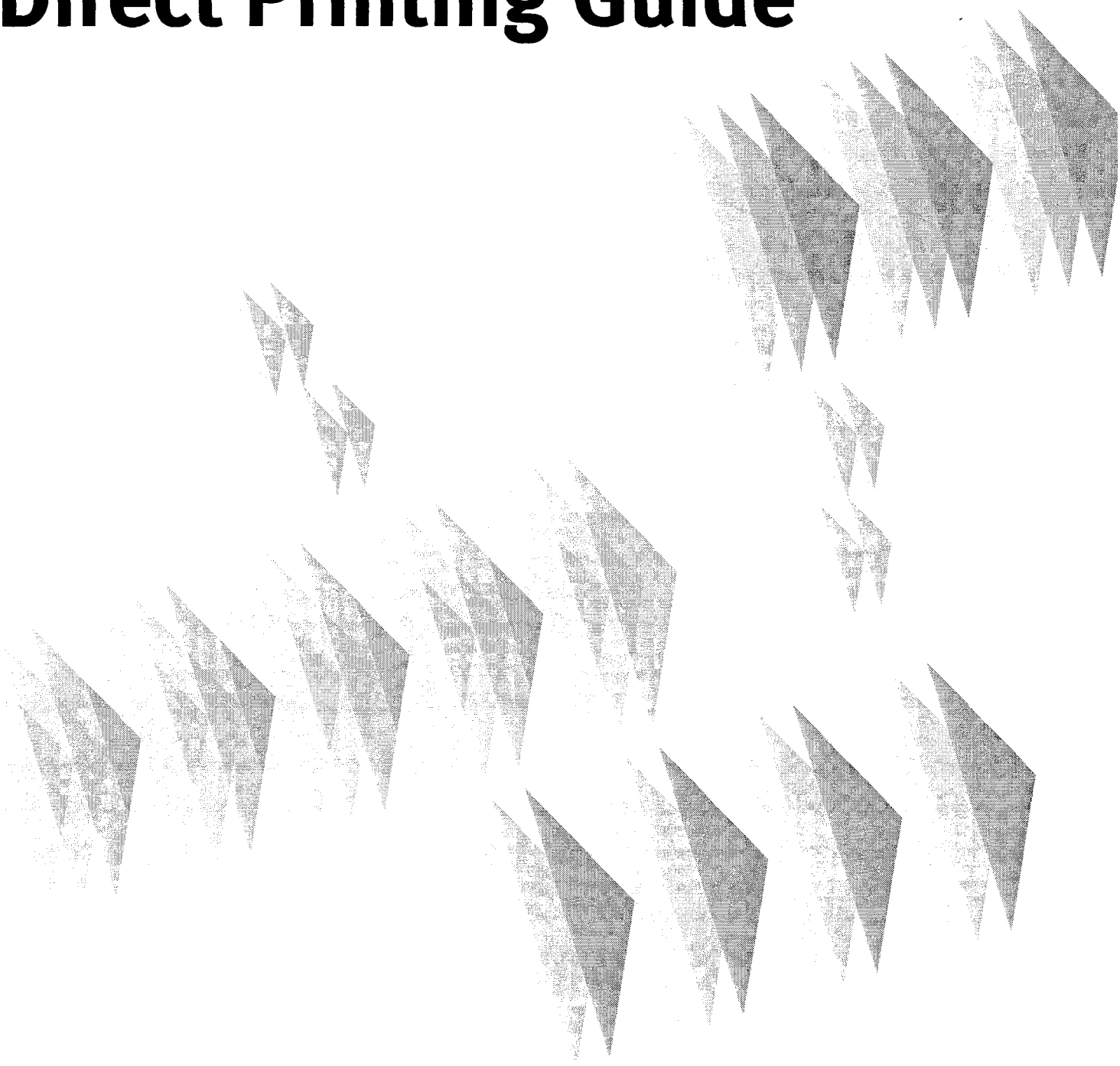
Canon

Exif Print PictBridge

Photo Printer

PIXMA iP6310D Series

Direct Printing Guide



Canon

PIXMA iP6310D

Photo Printer

Direct Printing Guide

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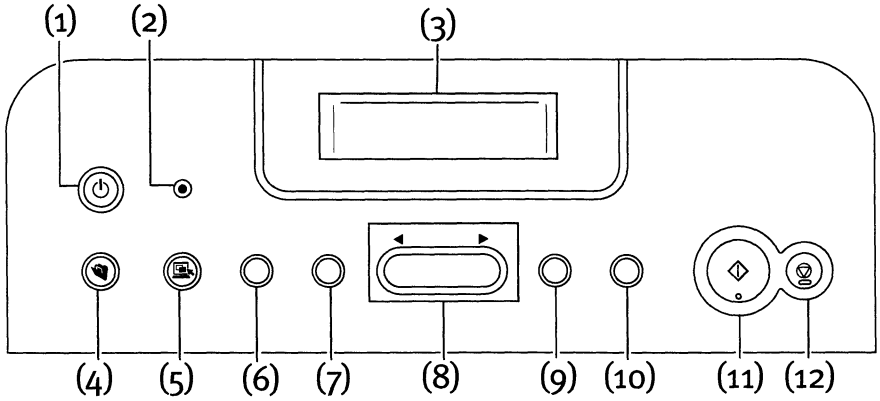
Operation Panel and Menu Display

The names and functions of the controls on the operation panel, how to display the menus, and the items in the menus are described below:

Operation Panel Names and Functions



(1) **POWER Button**

Press to turn the printer on or off.

POWER Lamp

Off: the printer is turned off.
Lighting: the printer is ready to print, is currently printing, or is currently initializing.
Flashing: the printer is preparing to turn on or off.

(2) **Alarm Lamp**

Lighting: an error has occurred and the printer is not ready to print.

When the **POWER** lamp and the **Alarm** lamp flash alternately, an error has occurred that may require a service call.

(3) **LCD Monitor**

When you perform direct printing, the menus and the setting items are displayed here.

(4) **Save Button**

Saves data in the memory card onto the computer's hard disk. See "Saving Data in the Memory Card onto the Computer" on page 33.

(5) **Easy-PhotoPrint Startup Button**

Starts Easy-PhotoPrint. See "Browsing Photos in the Memory Card on the Computer" on page 33.

(6) **Menu Button**

Displays menus. See "Memory Card Mode" on page 5.

(7) **Configuration Button**

Allows you to set print settings and maintenance of the printer. See "Configuration" on page 6.

(8) ◀ ▶ Buttons

Use these buttons to select a menu item or the number of photo, to specify the number of copies to print, and to make print settings.

(9) OK Button

Allows you to make a selection. For example, selecting a photo to be printed, selecting a menu item or other settings.
If an error occurs, press to resume printing after resolving the printer problem.

(10) Back Button

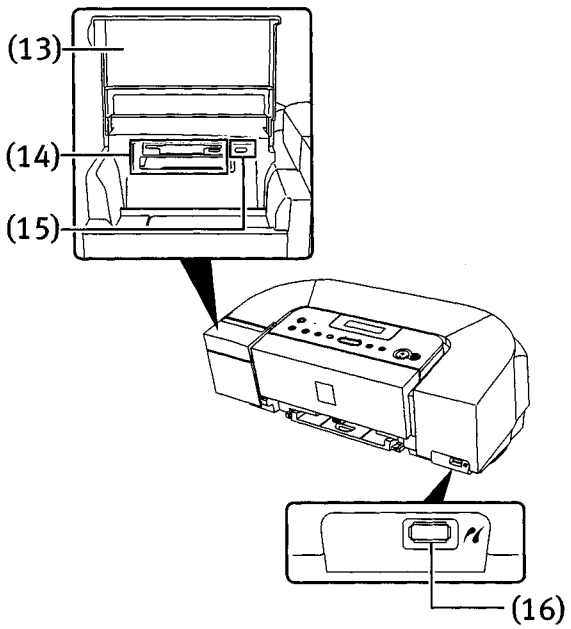
Allows you to return to the previous screen.

(11) Print Button

Press to start printing according to the settings displayed on the LCD.

(12) Stop/Reset Button

Press to cancel the settings you have made. If this button is pressed during printing, the printer aborts printing.



(13) Card Slot Cover

Close this after inserting a memory card.

(14) Card Slot

Set the memory card containing photos here.

(15) Indicator Lamp

The indicator lamp lights when memory card reading is enable and flashes while the printer is accessing the memory card.

(16) Direct Print Port

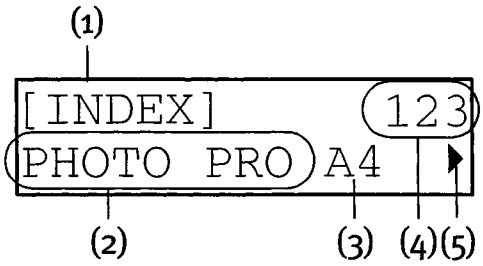
Connects the printer to a PictBridge-compatible digital camera or digital video camcorder. See "Connecting to a PictBridge Compliant Device" on page 24.

When using optional Bluetooth unit*, connect this port.

*The Bluetooth unit is not available to some regions due to the law of the countries or the regulations. For details, contact the Customer Care Center.

See "Printing Photographs from a Wireless Communication Device" on page 29 or the *Bluetooth User's Guide*.

LCD Monitor



(1) Shows Memory Card Mode.

(2) Shows the Media Type.

(3) Shows the Page Size.

(4) Shows the number of photo in the memory card (only for INDEX printing).

(5) The ◀▶ buttons are activated when this mark is displayed.

For the print settings of page size and media type etc. see the section of Memory Card Modes.

Memory Card Mode

When you press the **Menu** button, Memory Card Mode screens appear on the LCD. By using ◀▶ button, you can select the following modes.

INDEX
See "Printing a Photo List – Print Index" on page 15.

PRINT ALL PHOTOS
See "Printing All Photos" on page 20.

SELECT PHOTO
See "Specifying Photos to Print" on page 16.

SELECT RANGE
See "Specifying the Range of Photos in the Memory Card" on page 18.

STICKR
See "Printing on the Sticker – Sticker Print" on page 19.

DPOF
See "Printing According to the Settings Made on the Camera – DPOF Printing" on page 20.

Configuration

Each time you press **Configuration** button, following setting items are displayed on the LCD.

PRINT SETTINGS

QUIET MODE

See "Other Settings" on page 23.

WIRELESS SETTINGS

PAGE SIZE

MEDIA TYPE

LAYOUT

IMAGE OPTIMIZER

See "Printing Photographs from a Wireless Communication Device" on page 29.

BLUETOOTH SET

DEVICE NAME

ACCESS REFUSAL

SECURITY

PASSKEY

See "Printing Photographs from a Wireless Communication Device" on page 29.

PICTBRIDGE SET

PAGE SIZE

MEDIA TYPE

PRINT QLTY

BORDERLESS PRINT

IMAGE ENHANCEMENT

See "Printing Photographs Directly from a Digital Camera" on page 24.

OTHERS

DATE/TIME SETUP

See "Other Settings" on page 23.

READ-ONLY MODE

See "Setting up the Card Slot as the Memory Card Drive of the Computer" on page 34.

LANGUAGE SETTING

See "Other Settings" on page 23.

MAINTENANCE

NOZZLE CHECK

See "Printing the Nozzle Check Pattern" on page 36.

CLEANING

See "Print Head Cleaning" on page 37.

DEEP CLEANING

See "Print Head Deep Cleaning" on page 38.

AUTO HEAD ALIGN

See "Aligning the Print Head - Auto head align" on page 38.

ALIGN PRINT HEAD

See "Adjusting the Print Head Manually" on page 44.

HEAD ALIGN PRINT

See "Aligning the Print Head - Auto head align" on page 38.

ROLLER CLEANING

See "Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" on page 46.

BOTTOM CLEANING

See "Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" on page 46.

RESTORE DEFAULT

See "Other Settings" on page 23.

SAVE CONFGURATION

See page 17.

LOAD CONFGURATION

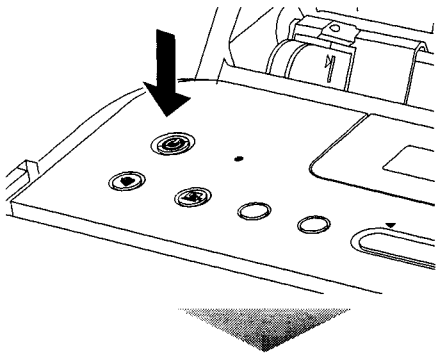
See page 17.

Printing Flow

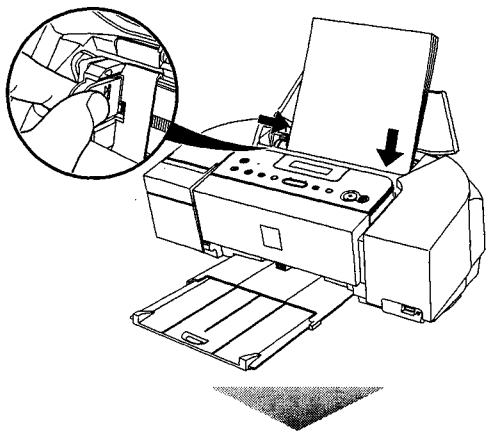
This is the procedure for printing photos from the memory card inserted in the card slot of the printer.

Print a Photo List of All Photos in the Memory Card

Step 1 Turn on the Printer.

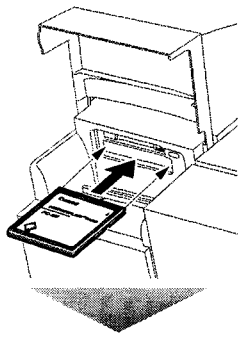


Step 2 Load the paper.



See "Loading Paper" on page 12.

Step 3 Insert the memory card.



See "Using a Memory Card" on page 9.

Step 4 Print a Photo List in the Memory Card.

See "Printing a Photo List – Print Index" on page 15.

Print the Photos by Other Printing Menus

Select the photos you want to print in the printed photo list.

Step 5 Select Memory Card Mode.

PRINT ALL PHOTOS
Prints all photos in the memory card. See "Printing All Photos" on page 20.

SELECT PHOTO
You can specify photos you want to print saved in the memory card.
See "Specifying Photos to Print" on page 16.

SELECT RANGE
You can specify the range of photos you want to print using the file number or shooting date.
See "Specifying the Range of Photos in the Memory Card" on page 18.

STICKR
You can print your favorite photo on the Canon Photo Stickers.
See "Printing on the Sticker – Sticker Print" on page 19.

DPOF
Prints photos according to the DPOF settings set on the digital camera.
See "Printing According to the Settings Made on the Camera – DPOF Printing" on page 20.

Step 6 Start printing.

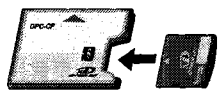
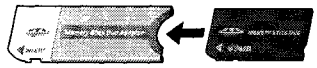
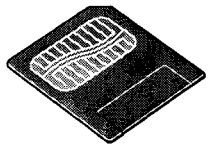
Press the **Print** button to start printing.

Using a Memory Card

Let's take a look at different types of memory cards and how to insert and remove them.

Memory Cards Supported by This Printer

Supported memory cards are as follows:

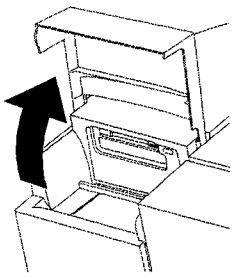
Memory Cards which can be inserted directly	Memory Cards which can be used through a special adapter
● CompactFlash (CF) Card ● Microdrive *Supports TYPE I/TYPE II (3.3V).	● xD-Picture Card*1 
● Memory Stick ● Memory Stick PRO	● Memory Stick Duo*2 ● Memory Stick PRO Duo*2 
● Secure Digital (SD) Card ● MultiMedia Card (ver.3.31)	● miniSD Card*2
● SmartMedia Card *Supports 3.3V card only (1MB and 2MB cards not supported) 	*1 Purchase the CompactFlash Card Adapter for xD-Picture Card separately. *2 Use the special adapter supplied with the card.

Important

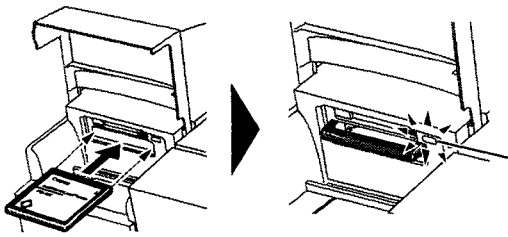
- This printer accepts images taken with a camera compatible with the Design rule for Camera File system (Exif2.21 compliant), TIFF (Exif2.21 compliant), and DPOF (Ver. 1.00 compliant).
- Photos stored in a memory card not supported by the digital camera may fail in loading or be damaged. For types of memory cards supported by the digital camera, refer to your digital camera user's manual.
- Use the digital camera to format a memory card. Memory card data formats may not be compatible with computer-specific formats.
- Images edited on the computer may result in improper printing.
- Please use only one type of memory card at a time.

Inserting a Memory Card

1 Open the card slot cover.



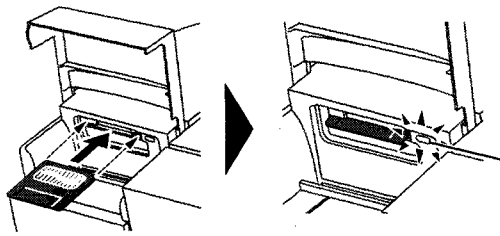
2 Insert the memory card in the card slot.



- If you use a CompactFlash (CF) card or Microdrive
  Insert it into the slot on the lower until it stops with its end projecting as shown.

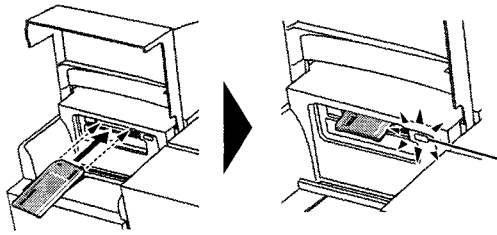
The indicator lamp lights.

*For xD-Picture Card, use the compliant adapter.



- If you use a SmartMedia card
  Insert it into the slot on the upper until it stops with its end projecting as shown.

The indicator lamp lights.



- If you use a Memory Stick/Memory Stick PRO/ SD card/Multimedia card (ver.3.31)
  Insert it into the slot on the upper until it stops with its end projecting as shown.

The indicator lamp lights.

*For Memory Stick Duo/Memory Stick PRO Duo/ miniSD Card, use the special adapter.

Important Do not try to insert the memory card into the card slot any further than the position it stops; otherwise the printer or the memory card will be damaged.

3 Ensure that the indicator lamp lights after flashing for a moment and then close the card slot cover.

Notes

- When **OFF** is selected in the **READ-ONLY MODE** screen, you cannot print photos in the memory card. After using the card slot as the memory card drive of the computer, remove the memory card, then be sure to select **ON** in the **READ-ONLY MODE** screen again. See "Setting up the Card Slot as the Memory Card Drive of the Computer" on page 34.
- If you have used a computer to edit or process the data stored in the memory card, be sure to print photos from the computer. Using the operation panel to print photos may result in improper printing.

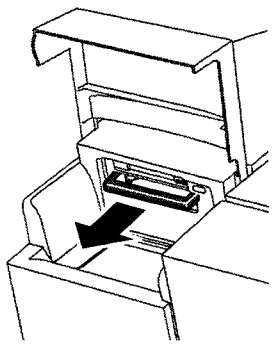
Removing a Memory Card

Note If you use the printer connected to your computer, follow the instructions for removal of the memory card from the computer. For the procedure, see "Setting up the Card Slot as the Memory Card Drive of the Computer" on page 34.

1 Open the card slot cover.

2 Ensure that the indicator lamp is not flashing, then remove the memory card.

Important Removing the memory card or turning off the printer while the indicator lamp is flashing can damage the data stored in the memory card.



3 Close the card slot cover.

Loading Paper

This section describes how to load the paper and select the page sizes and media types from the operation panel.

■ Print Media to Avoid

Do not use the following types of paper. Using such paper will not only produce unsatisfactory results, but can also cause the printer to jam or malfunction.

- •Folded, curled or wrinkled paper
- •Damp paper
- •Excessively thin paper (less than 64 gsm or 17 lb)
- •Excessively thick paper* (more than 105 gsm or 28 lb)
  *non-Canon genuine paper
- •Picture postcards
- •Postcards with an affixed photos or stickers
- •Envelopes
- •Any type of paper with holes

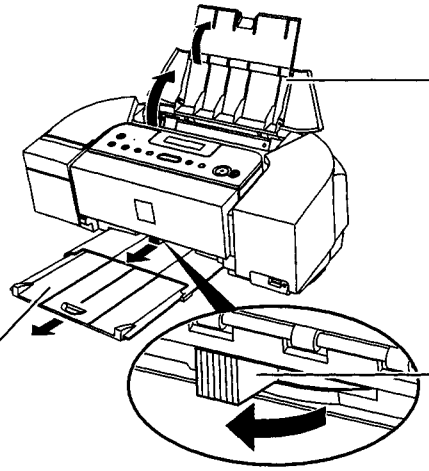
■ Loading the Print Media in the Auto Sheet Feeder

In this example, description is provided using Photo Paper Plus Glossy 4" x 6"/101.6 x 152.4 mm in your printer.
See "Media Types for Card Direct Printing" on page 14 for compatible paper.

1 Flatten the four corners of the paper before loading it.

Note If the paper is curled, gently bend the corners in the opposite direction until the paper becomes completely flat. See "Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" on page 46.

2 Prepare to load paper.



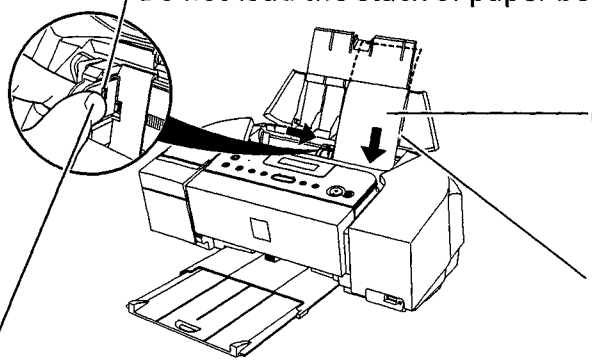
(1) Open the paper support and the extension.

(3) Set the paper thickness lever to the left position.

(2) Pull out the paper output tray and the extension completely.

3 Load the paper.

Load limit mark
Do not load the stack of paper beyond this load limit mark.

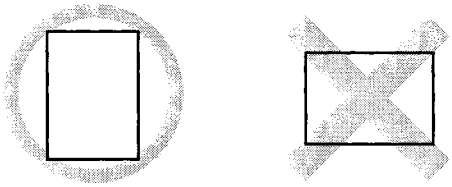


(1) Insert the paper in the auto sheet feeder with print side facing UP. Load the paper lengthways regardless of the direction of the photo.

(2) Align the paper stack snug against the right side of the auto sheet feeder.

(3) Pinch the paper guide and slide it against the left side of the stack of paper.

Important Always load paper in portrait orientation. Loading paper in landscape orientation can cause paper to be jammed.



Portrait Landscape

Note Do not touch the printed surface until the ink dries. For specific drying times, refer to the instructions packaged with your media.

■ Media Types for Card Direct Printing

You can use the following Canon genuine paper:

Media Type	Paper Support Load Limit	PAGE SIZE	MEDIA TYPE
Plain Paper	A4/Letter: up to 100 sheets	[A4]/[8.5"x11"]	[PLAIN PAPER]
Photo Paper Pro*1	A4/Letter: up to 10 sheets	[A4]/[8.5"x11"]	[PHOTO PAPER PRO]
	101.6 x 152.4 mm/4" x 6": up to 20 sheets	[4"x6"]	
Photo Paper Plus Glossy*1	A4/Letter: up to 10 sheets	[A4]/[8.5"x11"]	[PHOTO PAPER PLUS]
	101.6 x 152.4 mm/ 4" x 6": up to 20 sheets	[4"x6"]	
	127 x 177.8 mm/ 5" x 7": up to 10 sheets	[5"x7"]	
Photo Paper Plus Semi-Gloss*1	A4/Letter: up to 10 sheets	[A4]/[8.5"x11"]	[PHOTO PAPER PLUS]
	101.6 x 152.4 mm/4" x 6": up to 20 sheets	[4"x6"]	
Matte Photo Paper	A4/Letter: up to 10 sheets	[A4]/[8.5"x11"]	[MATTE PHOTO PAPR]
	101.6 x 152.4 mm/4" x 6": up to 20 sheets	[4"x6"]	
Glossy Photo Paper	A4/Letter: up to 10 sheets	[A4]/[8.5"x11"]	[GLOSSY]
	101.6 x 152.4 mm/4" x 6": up to 20 sheets	[4"x6"]	
	Credit Card: up to 20 sheets	[CREDIT CARD SIZE]	
Photo Stickers*2	1 sheet	–	–

Notes

- When using plain paper (64 gsm or 17 lb) up to 100 sheets can be set.

*1: When loading a stack of paper, the printed side may be marked when it is fed in. If this happens, load paper one sheet at a time.

*2: When printing on sticker paper, select **STICKR** from Memory Card Mode. When printing photos in a mobile phone on sticker paper, select **STICKR x16** in the **WIRELESS SETTINGS** screen. See "Printing Photographs from a Wireless Communication Device" on page 29.

Printing a Photograph

Let's print a photo list of all photos in the memory card at first.

Printing a Photo List – Print Index

1 Prepare to print.

(1) Turn on the printer.

(2) Load the paper.
See "Loading Paper" on page 12.

(3) Insert the memory card in the card slot.
See "Inserting a Memory Card" on page 10.

2 Select the **INDEX** from the Memory Card Mode.

(1) Press the **Menu** button.

(2) Use the ◀▶ buttons to select **INDEX** and then press the **OK** button.

3 Check the print setting items

PAGE SIZE: Use the ◀▶ buttons to select the page size and then press the **OK** button.
You can select the following page size:
8.5"x11"/A4/4"x6"/5"x7"/CREDIT CARD SIZE

MEDIA TYPE: Use the ◀▶ buttons to select the media type and then press the **OK** button.
You can select the following media type:
PLAIN PAPER/PHOTO PAPER PRO/PHOTO PAPER PLUS/MATTE PHOTO PAPR/GLOSSY

PRINT QLTY: Use the ◀▶ buttons to select the print quality and then press the **OK** button.
STANDARD: Print the standard print quality.
HIGH: Print the priority for print quality.

PRINT DATE: Use the ◀▶ buttons to select whether or not to print the shooting date and then press the **OK** button.

Note Press the **Back** button to return to the previous screen.

4 Start Printing.

Press the **Print** button.

Specifying Photos to Print

You can specify photos to print in the memory card.

1 Print a photo list.

See "Printing a Photo List – Print Index" on page 15.

2 Select the SELECT PHOTO from the Memory Card Mode.

(1) Press the **Menu** button.

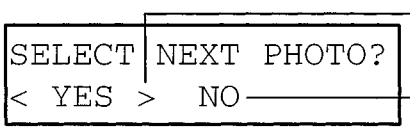
(2) Use the ◀▶ buttons to select **SELECT PHOTO** and then press the **OK** button.

3 Specify the photos to print.

(1) Select the photo (the file number) from the printed photo list.

(2) Use the ◀▶ buttons to select a file number and then press the **OK** button.

(3) Use the ◀▶ buttons to select **YES** or **NO**, and then press the **OK** button.



YES: Select when you want to specify other photos.

NO: Select when you finished specifying all the photos you want to print.

4 Confirm the file numbers to print.

Confirm the file numbers on the display correspond with the numbers you selected on Step ***3*** and then press the **OK** button.

You can use the ◀▶ buttons to confirm the numbers when ◀▶ is displayed on the screen.

5 Specify the number of copies to print.

Using the ◀▶ buttons, specify the number of copies and then press the **OK** button.

6 Check the print setting items.

For the details of the print setting items, see "Print Setting Items" on page 22.

PAGE SIZE:	Use the ◀▶ buttons to select the page size and then press the **OK** button.
MEDIA TYPE:	Use the ◀▶ buttons to select the media type and then press the **OK** button.
PRINT QLTY:	Use the ◀▶ buttons to select **STANDARD** or **HIGH** and then press the **OK** button.
BORDERLESS PRINT:**	Use the ◀▶ buttons to select whether or not to print borderless prints and then press the **OK** button.
PRINT DATE*:	Use the ◀▶ buttons to select whether or not to print the shooting date and then press the **OK** button.
FILE NO. PRINT*:	Use the ◀▶ buttons to select whether or not to print the DCF number (file number) and then press the **OK** button.
IMAGE ENHANCEMENT:**	Use the ◀▶ buttons to select **SET** or **SKIP** and then press the **OK** button. Selecting **SET** allows you to optimize photos with various functions. For details, see "Print Setting Items" on page 22.

* This item is not available for DPOF printing.
** This item is not available for INDEX printing.

Note Press the **Back** button to return to the previous screen.

7 Start printing.

Press the **Print** button.

Notes

- You can save the current settings. Once you save the settings, the saved settings are loaded when the printer is turned on.
  1. Press the **Configuration** button repeatedly to select **SAVE CONFGURATION.**
  2. Press the ▶ button to select **YES** and then press the **OK** button.
  3. Press the **Stop/Reset** button.
- You can load the saved print settings.
  1. Press the **Configuration** button repeatedly to select **LOAD CONFGURATION.**
  2. Press the ▶ button to select **YES** and then press the **OK** button.
  3. Press the **Stop/Reset** button.

Specifying the Range of Photos in the Memory Card

You can specify the range of photos you want to print by the file number or shooting date.

1 Print a photo list.

See "Printing a Photo List – Print Index" on page 15.

2 Select the SELECT RANGE from the Memory Card Mode.

(1) Press the **Menu** button.

(2) Use the ◀▶ buttons to select **SELECT RANGE** and then press the **OK** button.

3 Select the specification method.

Use the ◀▶ buttons to select **PHOTO NO.** or **DATE** and then press the **OK** button.

PHOTO NO.: You can specify the range of photos by photo number of the printed photo list.

DATE: You can specify the range of photos by date of the printed photo list.

4 Specify the range of photos you want to print looking at the printed photo list.

If you selected PHOTO NO.:

(1) Use the ◀▶ buttons to specify the first file number and then press the **OK** button.

(2) Use the ◀▶ buttons to specify the last file number and then press the **OK** button.

If you selected DATE:

(1) Use the ◀▶ buttons to specify the earliest shooting date and then press the **OK** button.

(2) Use the ◀▶ buttons to specify the latest shooting date and then press the **OK** button.

5 Check the print setting items.

See "Specifying Photos to Print" on page 16.

6 Start printing.

Press the **Print** button.

Printing on the Sticker – Sticker Print

You can print your favorite photo on the Canon Photo Stickers.

1 **Print a photo list.**

See "Printing a Photo List – Print Index" on page 15.

2 **Select the STICKR from the Memory Card Mode.**

(1) Press the **Menu** button.

(2) Use the ◀▶ buttons to select **STICKR** and then press the **OK** button.

3 **Select a photo to print on the sticker looking at the printed photo list.**

(1) Select a photo (a file number) to print from the printed photo list.

(2) Use the ◀▶ buttons to select a file number and then press the **OK** button.

Note You can select one file as the photo to print on the sticker.

4 **Specify the number of copies to print.**

Using the ◀▶ buttons to specify the number of copies and then press the **OK** button.

5 **Specify the layout.**

Using the ◀▶ buttons to select **STICKR x16** and then press the **OK** button.

6 **Start printing.**

Press the **Print** button.

Printing All Photos

You can print all photos in a memory card.

1 **Prepare to print.**

See "Printing a Photo List – Print Index" on page 15.

2 **Select the PRINT ALL PHOTOS from the Memory Card Mode.**

(1) Press the **Menu** button.

(2) Use the ◀▶ buttons to select **PRINT ALL PHOTOS** and then press the **OK** button.

3 **Check the print setting items.**

See "Specifying Photos to Print" on page 16.

4 **Start printing.**

Press the **Print** button.

Printing According to the Settings Made on the Camera – DPOF Printing

If DPOF (Digital Print Order Format) settings made on the camera, photos are printed automatically according to those settings.

Notes

- This printer allows you to make the following DPOF settings:
  - Image format : CIFF, Exif (Tiff), JFIF
  - Print type - Standard: The photos for which you specified "Standard" using the DPOF function are printed.
  - Print type - Index : The photos for which you specified "Index" using the DPOF function are printed according to the printer's index print layout.
  - Photos to Print : Only the photos specified using the DPOF function are printed (photos cannot be specified on the operation panel).
  - Copies : The photos are printed according to the numbers of copies specified using the DPOF function (numbers of copies cannot be specified on the operation panel).
  - Other functions (addition of comments, trimming/rotation, etc.) are not supported.
- Photos are automatically scaled according to the paper size. The upper, lower, left, and/or right portion(s) of the photo may be missing depending on the size of the paper you use.
- The shooting date format is as specified in the DPOF setting from DPOF printing.

1 **Prepare to print.**

See "Printing a Photo List – Print Index" on page 15.

2 **Select the DPOF from the Memory Card Mode.**

(1) Press the **Menu** button.

(2) Use the ◀▶ buttons to select **DPOF** and then press the **OK** button.

3 **Check the print setting items.**

See "Specifying Photos to Print" on page 16.

4 **Start printing.**

Press the **Print** button.

■ Print Setting Items

PAGE SIZE
Select the page size.
8.5"x11", A4, 4"x6", 5"x7", CREDIT CARD SIZE

MEDIA TYPE
Select the media type.
PLAIN PAPER, PHOTO PAPER PRO, PHOTO PAPER PLUS, MATTE PHOTO PAPR, GLOSSY

PRINT QLTY
Select the printing quality.
STANDARD, HIGH

BORDERLESS PRINT
Select bordered or borderless print.

PRINT DATE
Select whether to print the shooting date or not.

FILE NO. PRINT
Select whether to print the DCF (the file number) or not.

IMAGE ENHANCEMENT
Select SET or SKIP.
Selecting SET allows you to optimize photos with the functions below.

RED EYE CORR
Correct the red eyes caused by the reflection when the flash hits a person's eyes.

VIVID
This function makes green and blue more lively.

POP
This function automatically optimizes brightness and tone of a photo.

REMOVE NOISE
This function reduces the noise on blue areas like the sky as well as on black areas.

FACE BRIGHT
This function brightens a darkened face on the photo taken against the light.

OPTIMIZER
Corrects the contours and smooths out the jaggedness.

BRIGHTNESS
Adjust brightness.
-2, -1, 0, +1, +2

CONTRAST
Adjust contrast.
-2, -1, 0, +1, +2

COLOR
Adjust color hue.
R+2, R+1, 0, Y+1, Y+2
(R: Color hue Red/Y: Color hue Yellow)

Other Settings

Changing Other Settings

■ Quiet mode

You can reduce the sound that the printer generates during operation.

(1) Press the **Configuration** button to select **QUIET MODE** and then press the **OK** button.
(2) Use the ◀▶ buttons to select **ON** and then press the **OK** button.
(3) Press the **Stop/Reset** button.

Important

- Print speed may be somewhat slower than in the normal operating mode.
- Sound reduction is not as effective when certain printing options are selected. Sound generated during printer warm up is the same as during normal operation.
- Changing the item in this menu is effective only when you are printing from a memory card or from a digital camera connected to this printer. If you are printing with your computer connected, specify the required settings in the printer driver.

■ Date Display Format

You can change the format for printing the date.

(1) Press the **Configuration** button repeatedly to select **OTHERS.**
(2) Use the ◀▶ buttons to select **DATE/TIME SETUP** and then press the **OK** button.
(3) Use the ◀▶ buttons to select date display format and then press the **OK** button.
(4) Press the **Stop/Reset** button.

Note The shooting date format is as specified in the DPOF setting from DPOF printing.

■ Language

You can change the language displayed on the LCD.

(1) Press the **Configuration** button repeatedly to select **OTHERS.**
(2) Use the ◀▶ buttons to select **LANGUAGE SETTING** and then press the **OK** button.
(3) Use the ◀▶ buttons to select a language and then press the **OK** button.
(4) Press the **Stop/Reset** button.

■ Reset

You can reset all settings, other than the language setting and the print head position, to the initial state.

(1) Press the **Configuration** button repeatedly to select **RESTORE DEFAULT.**
(2) Use the ◀▶ buttons to select **YES** and then press the **OK** button.

Printing Photographs Directly from a Digital Camera

Printing Photographs Directly from a PictBridge Compliant Device

Connecting a PictBridge compliant device such as digital camera, camcorder or mobile phone to the printer allows you to print recorded images directly without using a computer.

Note PictBridge is an Industry standard enabling a range of digital photo solutions, including the direct printing of photos from a digital still camera, camcorder or mobile phone* without the need to use a computer.

*Hereafter, the PictBridge compliant digital camera, digital camcorder, or camera-equipped mobile phone are collectively called a PictBridge compliant device.

■ Connecting to a PictBridge Compliant Device

To connect a PictBridge compliant device to this printer, use the USB cable supplied with the device.

Caution Do not connect any equipment other than PictBridge compliant devices, or the Bluetooth unit (option) to the direct print port of the printer. If you do so, electric shock, fire, or damage to the device could result.

Note When producing photos with the digital device connected to the printer, it is advisable to use the AC adapter supplied with the device. If you use the device battery, be sure to charge it fully.

1 **Turn on the printer.**

2 **Load the paper in the auto sheet feeder.**

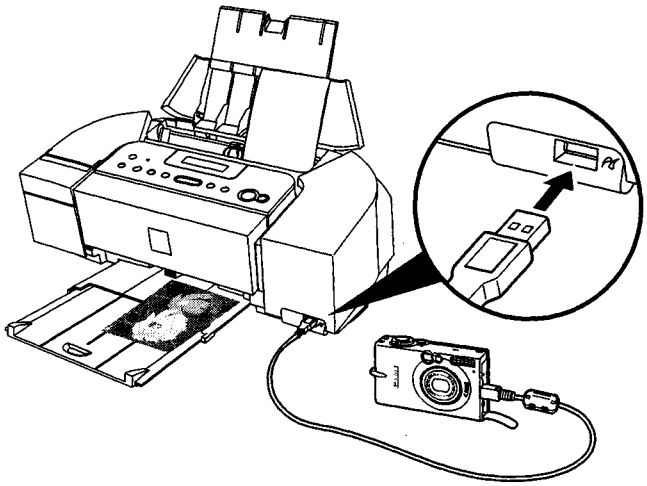
See "Loading Paper" on page 12.

3 **Connect the PictBridge compliant device to the printer.**

Note Depending on the model or brand of your PictBridge compliant device, you may have to select a print mode before connecting the device.
You may also have to turn on the device or select Play mode manually after connecting the device to the printer.
Perform necessary operations according to the instruction manual supplied with your device.

(1) Ensure that the device is turned off.

(2) Connect the camera to the printer using the USB cable (for connection to a computer) supplied with the device.



Note Some types of the PictBridge compliant devices turn on automatically when connected to the printer. If the device does not turn on automatically, turn it on manually.

(3) Turn on and set up the device for direct printing.
When the connection between the device and printer has been established, the **POWER** lamp on the printer flashes twice.

* The power-on sequence may differ depending on the model or brand of the device.

will appear on the LCD display of the device when the printer is correctly connected.

■ Confirming or Changing the Device Settings

To change the paper size or paper type, operate the device to select the PictBridge print setup mode and confirm or change the settings.
You can change the following settings on the PictBridge setting screen displayed by pressing **Configuration** button. However, changes can be made on the PictBridge setting screen only when the corresponding items below are in the **Default** (selections based on the printer setting) using the controls of the device.

PictBridge compliant device setting items	PictBridge setting items (PICTBRIDGE SET) on the printer
Paper size: Default	PAGE SIZE
Paper type: Default	MEDIA TYPE
Print quality: Default	PRINT QLTY
Layout: Default	BORDERLESS PRINT
Image Optimize: Default	IMAGE ENHANCEMENT

You can select the page size, media type, borderless printing, and optimize on the printer when printing from a PictBridge compliant device.

(1) Turn on the printer.

(2) Press the **Configuration** button repeatedly to select the **PICTBRIDGE SET** and then press the **OK** button.

(3) Confirm or change the settings.

Use the ◀▶ buttons to select the item to set and then press the **OK** button.

About the Settings Explained Below

The settings explained on the following pages cannot be made on some devices. If any setting cannot be made, the default setting explained above is used.
Names of settings that are displayed on Canon PictBridge compliant devices are used in the description given below.
Different names may be displayed on your device depending on the brand or model. For details, refer to your device's instruction manual.

■ About Image Data Format for Printing

This printer accepts images* taken with a camera compatible with the Design rule for Camera File system and PNG files.
*Exif2.21 compliant

■ About "Paper size" and "Paper type"

When you have selected the **Default** (selections based on the printer setting), the printer operates based on the PictBridge setting screen.

The following sizes and types of paper can be loaded in the printer by selecting options from **Paper Size** and **Paper Type**.

"Paper size" setting	"Paper type" setting	Paper loaded in printer
10 x 15 cm/4" x 6"	Photo	Photo Paper Plus Glossy
	Fast Photo	Photo Paper Pro
	Photo	Photo Paper Plus Semi-Gloss
	Photo	Glossy Photo Paper
	Photo	Photo Stickers*1
13 x 18 cm/5" x 7"*2	Photo	Photo Paper Plus Glossy
A4/8.5" x 11" (Letter)*3*4	Photo	Photo Paper Plus Glossy
	Fast Photo	Photo Paper Pro
	Photo	Photo Paper Plus Semi-Gloss
	Photo	Glossy Photo Paper
5.4 x 8.6 cm/Credit Card	Photo	Glossy Photo Paper Credit Card

*1 This paper is exclusively used to print photo stickers. When printing on sticker paper, select **10 x 15 cm/4" x 6"** in **Paper size**.

*2 This size can be selected only for Canon PictBridge compliant devices (note that it cannot be selected for some models).

*3 **Plain Paper** can be selected for **Paper type** when **A4** or **8.5" x 11" (Letter)** is selected for **Paper size**. When **Plain Paper** is selected for **Paper type**, bordered printing will be performed even when **Borderless** is selected for **Layout**.

*4 When **A4** or **8.5" x 11" (Letter)** is selected for **Paper size**, you can print in 4-up layout.

■ About "Layout" and "Trimming"

For **Layout**, when you have selected **Default** (selections based on the printer setting), the printer operates based on the PictBridge setting screen.

Note When printing onto Photo Stickers (PS-101) (16-up), use the following settings.

1. Load Photo Stickers (PS-101) in the auto sheet feeder.
2. Select **10 x 15 cm/4" x 6"** for the **Paper size**, and **Photo** for the **Paper type**.
3. Select **N-up** for **Layout**, then select **16**.
   Some PictBridge compliant devices display the **Layout** option; **2-up**, **4-up**, **9-up**, and **16-up**. In this case always select **16-up**.
   If there are no options on the PictBridge compliant device that correspond to 2-up, 4-up, 9-up, or 16-up, printing on stickers is not possible.

By default, **Off (No trimming)** is selected for **Trimming**.

■ About "Image optimize"

When you have selected **Default** (selections based on the printer setting), the printer operates based on the PictBridge setting screen.
If you use a Canon PictBridge-compliant device, you can select **VIVID, NR, VIVID+NR, or Face.** (Note that these options cannot be selected for some models.)

Notes

- When **VIVID** is selected, green and blue portions of photos are printed vividly.
- When **NR** (Noise Reduction) is selected, noise in blue portions, such as the sky, and dark portions is removed.
- When **VIVID+NR** is selected, functions of both **VIVID** and **NR** are performed.
- When **Face** is selected, backlit images are corrected when printed.

■ About "Date/File No. print"

By default, **Off** is selected for this printer.
If you select an image which has had the shooting date embedded in it using a camera with print mode, select **Off** for this function. If you select **Date, File No.**, or **Both**, the date and/or file number will be printed over the embedded date.

■ Other Settings

If you use a Canon PictBridge-compliant device, you can use the following print settings. (Note that these print settings cannot be used for some models.) For details, refer to your device's instruction manual.

- **Shooting Info (Exif Data)**
  You can print shooting Info (Exif Data) on photos in list format, or in the margins of specified photos.
  Select **Layout**, then select the item displayed with the [i] icon.
- **35mm Film Style Layout (Contact Printing Layout)**
  You can print selected photos or index-specified photos in 35 mm film style layout (contact printing layout).
  Select **Layout**, then select the item displayed with the film icon.

Notes

- Never disconnect the USB cable during printing.
  When disconnecting the USB cable between the product and printer, follow the device instructions given in the Instruction manual.
- Controls of the digital camera cannot be used for the following:
  - Print quality setting
  - Printer maintenance
- For the device operation method and troubleshooting, refer to your device's manual.
- For print error messages, see "Cannot Print Properly from the Digital Camera" on page 49.

Printing Photographs from a Wireless Communication Device

This section explains the printer's settings when printing photos through Bluetooth communication. If the optional Bluetooth unit BU-20 is connected to the printer, you can also print photos through Bluetooth communication. For details, refer to the *Bluetooth User's Guide*.

Note The mobile phone supporting the OPP (Object Push Profile) or BIP (Basic Imaging Profile) can print photos. For details of profiles, refer to your product's instruction manual.

- When printing photos through Bluetooth communication:
  - See "Setting the Page Size, Media Type, and Layout When Printing From a Mobile Phone" below.
  - See "Performing Bluetooth Communication" on page 31.

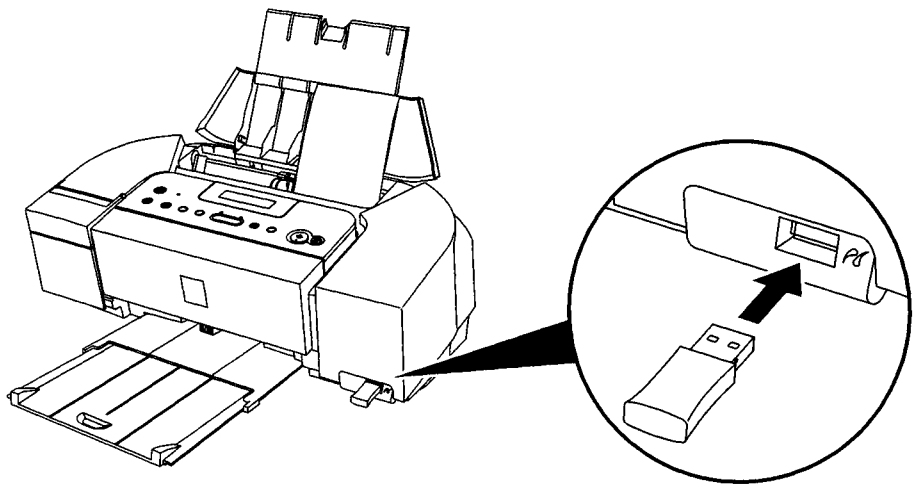
Setting the Page Size, Media Type, and Layout When Printing From a Mobile Phone

You can select the page size, media type, layout and borderless printing on the wireless print setting screen when printing from a mobile phone through Bluetooth communication.
* The initial setting is borderless printing on 4"x6" Photo Paper Plus Glossy.

1 Turn on the printer.

2 Connect the Bluetooth unit BU-20 to the direct print port.

Note **WIRELESS SETTINGS** cannot be selected until the Bluetooth unit is connected.



3 Press the **Configuration** button repeatedly to select the **WIRELESS SETTINGS** and then press the **OK** button.

4 Confirm or change the settings.

(1) Use the ◀▶ buttons to select the item to set and then press the **OK** button. The photos in the mobile phone can be printed according to the following settings.

■ Setting Items

PAGE SIZE: Select the page size for the wireless print.

MEDIA TYPE: Select the media type for the wireless print.

Note For information on wireless compatible page size and media type, see "Media Types for Card Direct Printing" on page 14.

LAYOUT: Select the layout of photos as below.
Sticker print: STICKR x16
Printing on paper other than sticker: Borderless print ON/OFF

IMAGE OPTIMIZER: Correct the contours and smooths out the jaggedness.

Note When printing on Canon Photo Stickers, make the settings as below.

PAGE SIZE	MEDIA TYPE	LAYOUT
STICKER	PHOTO PAPER PLUS	STICKR x16

Performing Bluetooth Communication

■ Printing through Bluetooth communication

When you print through Bluetooth communication from a mobile phone, refer to your mobile phone manual.

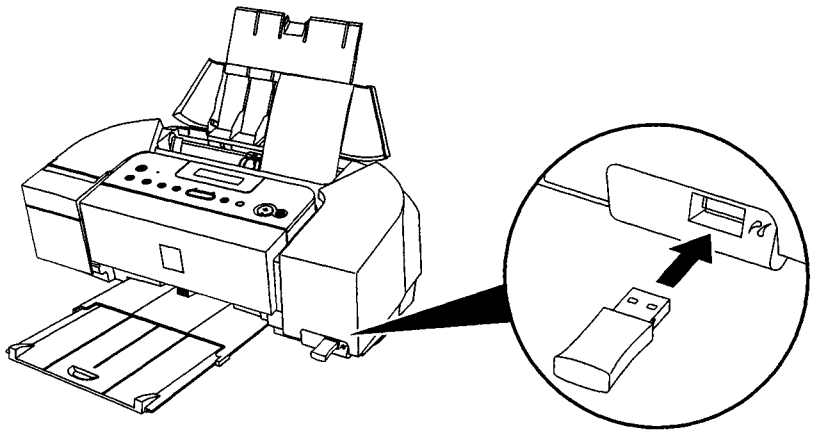
1 Prepare to print.

(1) Confirm the printer is ON.

(2) Load the paper in the auto sheet feeder

See "Loading Paper" on page 12.

2 Connect the Bluetooth unit BU-20 to the direct print port.



3 Set the print setting.

See "Setting the Page Size, Media Type, and Layout When Printing From a Mobile Phone" on page 29.

4 Start printing from a mobile phone.

- When you select the device name, select the initial value of this printer "Canon iP6310D-1".
- If you are required to enter the passkey, enter the initial value "0000".

You can change the device name of the printer or passkey in Bluetooth settings on the printer. See "Changing the Bluetooth Settings-Bluetooth settings" on page 32.

Notes

- Communication is possible up to about ten meters depending on the conditions below. The printing speed may change depending on the following conditions:
  - Presence of obstacles between the communication equipment and radio wave conditions.
  - Presence of magnetic fields, static electricity or electromagnetic interference.
  - Receiver sensitivity and antenna performance of the communication equipment.

About transmittable data

- It does not support printing a downloaded content or photo and a photo attached to an E-mail for security reason.
- It does not support printing video files.
- Depending on your device, it may not print data stored in a memory card.
- Depending on the size of a photo, it may take a while for this printer to start to print after starting the infrared transfer.
- It automatically sets the photo quality and orientation (horizontal or vertical) according to the photo size.
- It automatically sets to the margin according to the photo size.

■ Changing the Bluetooth Settings-Bluetooth settings

You can change the Bluetooth settings such as the device name of a printer and passkey.

1 **Turn on the printer.**

2 **Connect the Bluetooth unit BU-20 to direct print port.**

Note **BLUETOOTH SET** cannot be selected until the Bluetooth unit is connected.

3 **Press the Configuration button repeatedly to select the BLUETOOTH SET and then press the OK button.**

4 **Change the setting.**

Use the ◀▶ buttons to select the setting item you want to change and then press the OK button.

■ Setting Items

- **DEVICE NAME:** Select the device name of this printer displayed on the screen of the Bluetooth devices.
  When you set **iP6310D-2**, the printer name on the Bluetooth device is "Canon iP6310D-2".
  The initial value is set to **iP6310D-1**.
- **ACCESS REFUSAL:** Selecting **ON** will disable search for this printer from Bluetooth devices.
- **SECURITY:** Selecting **ON** will enable a passkey.
  Setting a passkey will prevent incorrect access from other Bluetooth devices.
- **PASSKEY:** You can change the passkey. The passkey refers to an identification number to be determined. It is used to prevent incorrect access from other Bluetooth devices.
  The initial value is set to "0000".
  After you change the passkey, you are require to enter the new passkey again. Enter the new passkey to the Bluetooth device.

Using Data in the Memory Card on the Computer

Browsing Photos in the Memory Card on the Computer

By pressing the **Easy-PhotoPrint Startup** button, you can display photos in the memory card on the computer display with Easy-PhotoPrint, if the printer is connected to the computer. You can print the photos from Easy-PhotoPrint.

Important To use the **Easy-PhotoPrint Startup** button, connect the printer to the computer and install the printer driver, Memory Card Utility, and Easy-PhotoPrint. For more information on installation, refer to the *Easy Setup Instructions*.

1. **Ensure that both the printer and the computer are turned on, and connected by a USB cable.**
2. **Press the Easy-PhotoPrint Startup button.**

   Easy-PhotoPrint starts on the computer.

Note For information on printing with Easy-PhotoPrint and other details, refer to the *Photo Application Guide*.

Saving Data in the Memory Card onto the Computer

By pressing the **Save** button, you can save the data in the memory card on the hard disk of the computer.

Important To use the **Save** button, connect the printer to the computer and install the Memory Card Utility. For more information on installation, refer to the *Easy Setup Instructions*.

1. **Ensure that both the printer and the computer are turned on, and connected by a USB cable.**
2. **Press the Save button.**

   The photos will be saved to a folder created in the location specified below. The folder will be named automatically according to the date that it was created (YYYY_MM_DD).

Windows XP/Windows 2000/Windows Me: **My Pictures** folder

Windows 98: **My Documents** folder

Mac OS X v.10.2.8 or later: **Pictures** folder

Setting up the Card Slot as the Memory Card Drive of the Computer

The card slot of the printer can also be used as the memory card drive of the computer.

Important

- To use the card slot of the printer as the memory card drive of the computer, the printer must be connected to the computer and the Memory Card Utility must have been installed for Windows Me/Windows 98/Windows 98 Second Edition. If the utility is not installed, install it following the installation procedure explained in the *Easy Setup Instructions*.
- When **OFF** is selected in the **READ-ONLY MODE** screen, you cannot print photos in the memory card. After using the card slot as the memory card drive of the computer, remove the memory card, then be sure to select **ON** in the **READ-ONLY MODE** screen again.

1 **Ensure that both the printer and the computer are turned on, and connected by a USB cable.**

2 **Press the Configuration button repeatedly to select OTHERS.**

3 **Use the ◀▶ buttons to select READ-ONLY MODE and then press the OK button.**

4 **Specify the READ-ONLY MODE.**

(1) Use the ◀▶ buttons to select a mode.
- When selecting **OFF**, the card slot is used as the memory card drive of the computer. Photo data can be written into the memory card.
- When selecting **ON**, the card slot is used only for reading. Be sure to select this mode when printing photos.

(2) Press the **OK** button.

Notes If you use the card slot of the printer as the memory card drive of the computer, follow the instructions for removal of the memory card from the computer, before removing it.

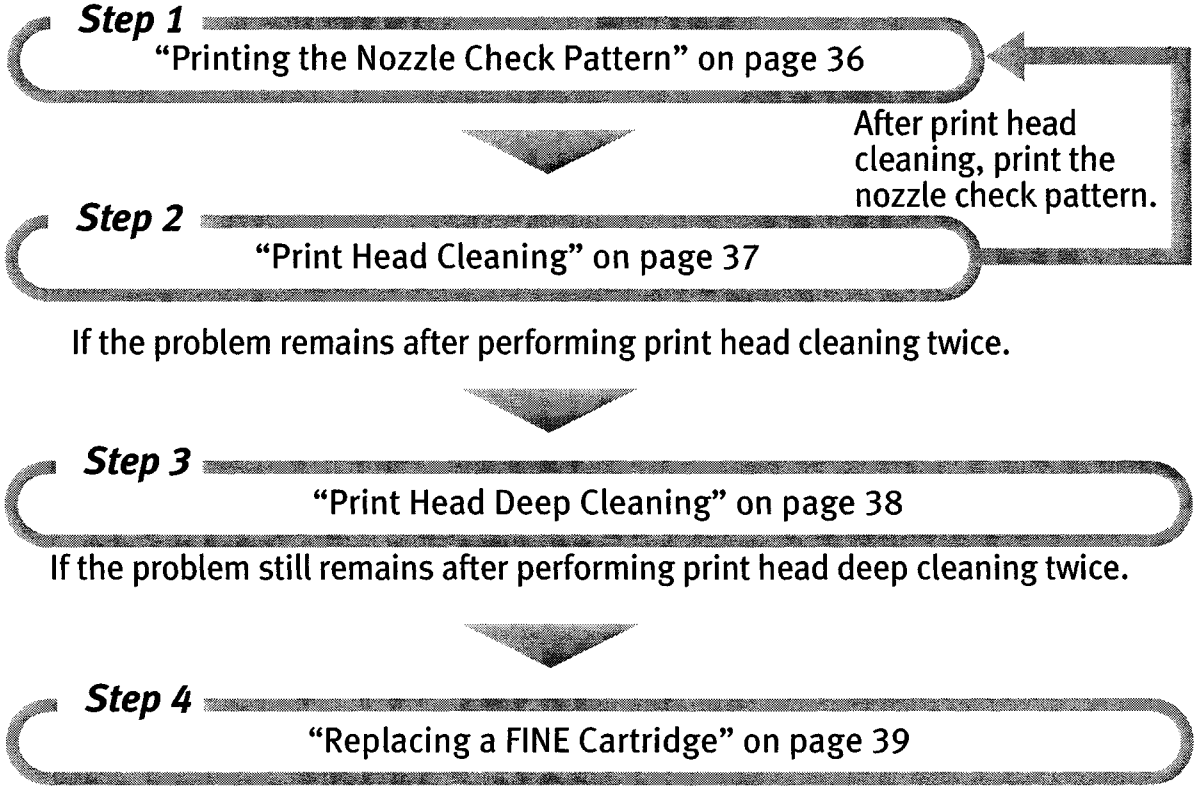
- Windows: Right-click the removable disk icon and click **Eject**. If **Eject** is not displayed on the screen, ensure that the indicator lamp is not flashing and remove the memory card.
- Macintosh: Be sure to drag the icon into the **Trash**.

Printing Maintenance

When Printing Becomes Faint or Colors are Incorrect

When printing becomes faint or colors are incorrect, the print head nozzles are probably clogged. Follow the procedures below to clean the nozzles.

Note **Before Performing Maintenance**
Remove the FINE Cartridge once, then insert it into place again. See "Replacing a FINE Cartridge" on page 39.


Step 1
"Printing the Nozzle Check Pattern" on page 36
After print head cleaning, print the nozzle check pattern.
Step 2
"Print Head Cleaning" on page 37
If the problem remains after performing print head cleaning twice.
Step 3
"Print Head Deep Cleaning" on page 38
If the problem still remains after performing print head deep cleaning twice.
Step 4
"Replacing a FINE Cartridge" on page 39

Note If ruled lines are misaligned, adjust the print head position.
See "Aligning the Print Head - Auto head align" on page 38.

Printing the Nozzle Check Pattern

Print the nozzle check pattern to determine whether the ink ejects properly from the print head nozzles. Use this function when printed results are blurred or the colors are incorrect.

1 **With the printer on, load a sheet of A4/Letter-sized plain paper in the auto sheet feeder.**

Move the paper thickness lever to the left position.

2 **Print the nozzle check pattern.**

(1) Press the **Configuration** button repeatedly to select **MAINTENANCE.**

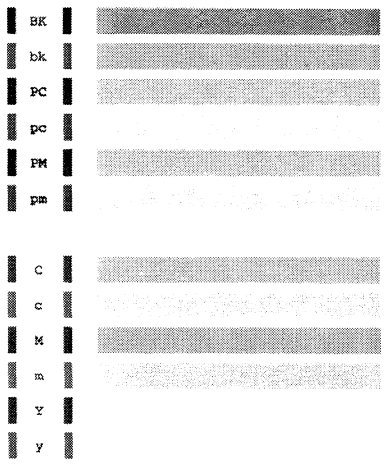
(2) Use the ◀▶ buttons to select **NOZZLE CHECK** and then press the **OK** button.
Do not open the front cover while printing.

(3) Examine the nozzle check pattern.
See below.

Examining the Nozzle Check Pattern

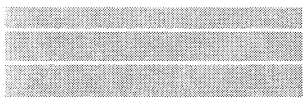
The nozzle check pattern should appear as follows when ink is discharged properly. Examine the nozzle check pattern output by the printer.

Note If the ink level is low, the nozzle check pattern is not printed properly. Stop printing the nozzle check pattern, and replace the FINE Cartridge.
See "Replacing a FINE Cartridge" on page 39.



1 **Confirm the printed nozzle check pattern.**

White stripes in this pattern indicate that the FINE Cartridges require cleaning.



When white stripes appear

See "Print Head Cleaning" on page 37.

Print Head Cleaning

If white stripes are found in the printed nozzle check pattern, perform the print head cleaning to unclog the print head nozzles. Cleaning the print head consumes ink, so perform the print head cleaning only when necessary.

1 Ensure that the printer is on.

2 Start print head cleaning.

(1) Press the **Configuration** button repeatedly to select **MAINTENANCE**.

(2) Use the ◀▶ buttons to select **CLEANING** and then press the **OK** button.

Important Do not perform any other operations until the print head cleaning finishes. This takes about 30-50 seconds.

Note **After print head cleaning finishes**

After print head cleaning finishes, print the nozzle check pattern to verify that the print head nozzles are clean.

See "Printing the Nozzle Check Pattern" on page 36.

If the problem remains after performing print head cleaning twice, try print head deep cleaning.

See "Print Head Deep Cleaning" on page 38.

Print Head Deep Cleaning

If print quality does not improve by the standard print head cleaning, try print head deep cleaning, which is a more powerful cleaning process. Print head deep cleaning consumes more ink than standard print head cleaning, so perform this procedure only when necessary.

1 **Ensure that the printer is on.**

2 **Start print head deep cleaning.**

(1) Press the **Configuration** button repeatedly to select **MAINTENANCE**.

(2) Use the ◀▶ buttons to select **DEEP CLEANING** and then press the **OK** button.

Important Do not perform any other operation until the print head deep cleaning finishes. This takes about 1-2 minutes.

Note After print head deep cleaning finishes, print the nozzle check pattern to verify that the print head nozzles are clean.
See "Printing the Nozzle Check Pattern" on page 36.
If the problem persists, perform the print head deep cleaning again.
If the problem remains, the printer may have run out of ink.
See "Replacing a FINE Cartridge" on page 39.
If the problem continues to exist, the printer may be damaged. Contact the Customer Care Center.

Aligning the Print Head - Auto head align

If ruled lines are misaligned or a printout is unsatisfactory, print head alignment is required.

1 **With the printer on, load a sheet of A4/Letter-sized plain paper in the auto sheet feeder.**

Move the paper thickness lever to the left position.

2 **Align the print head automatically.**

(1) Press the **Configuration** button repeatedly to select **MAINTENANCE**.

(2) Use the ◀▶ buttons to select **AUTO HEAD ALIGN** and then press the **OK** button.
Do not open the front cover while printing.

Notes

- You can print the current settings of the print head position by selecting **HEAD ALIGN PRINT**.
- **When Automatic Print Head Alignment Cannot Be Executed Correctly**
  When automatic print head alignment cannot be executed correctly, the message **"HEAD ALIGNMENT ERROR"** is displayed on the LCD. See "An Error Message is Displayed on the LCD" on page 44.

Replacing a FINE Cartridge

If there is no improvement with the quality of printing following such maintenance as print head cleaning, a FINE Cartridge is probably empty. Replace the empty FINE Cartridge with a new one. When replacing a FINE Cartridge, check the model number very carefully.
The printer will not print properly if a wrong FINE Cartridge is used, or installed wrong.

Color: CL-41

Photo: CL-52

Note The High Yield Color FINE Cartridge (CL-51) can be installed as option.

Replacing a FINE Cartridge

When a FINE Cartridge runs out of ink, replace them using the following steps.

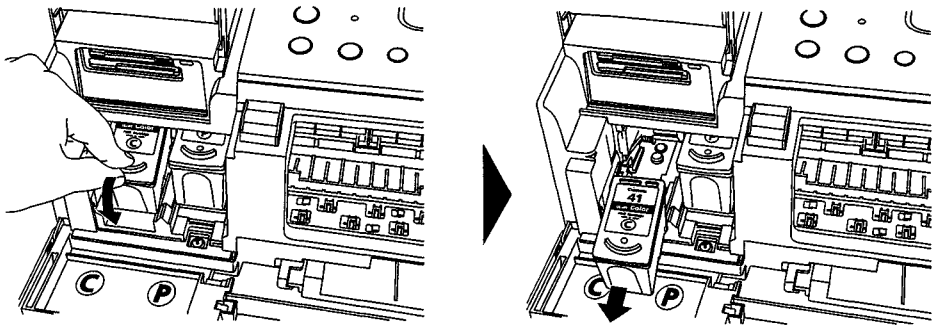
1 **Ensure that the printer is on.**

2 **Open the card slot cover first and then open the front cover.**

The FINE Cartridge holder moves to the left.

3 **Remove the empty FINE Cartridge.**

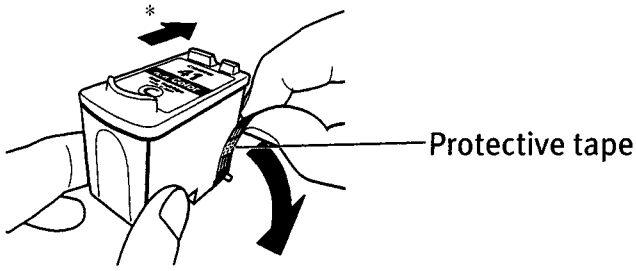
(1) Push down the FINE Cartridge. (2) Remove the FINE Cartridge.



Important

- Handle the FINE Cartridge carefully to avoid staining clothing or the surrounding area.
- Discard the empty FINE Cartridge according to the local laws and regulations.

4 Prepare a replacement FINE Cartridge.

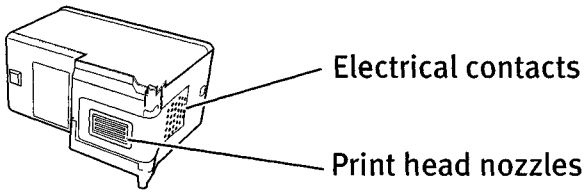


*To the FINE Cartridge holder

Unpack a new FINE Cartridge and remove the orange protective tape gently.

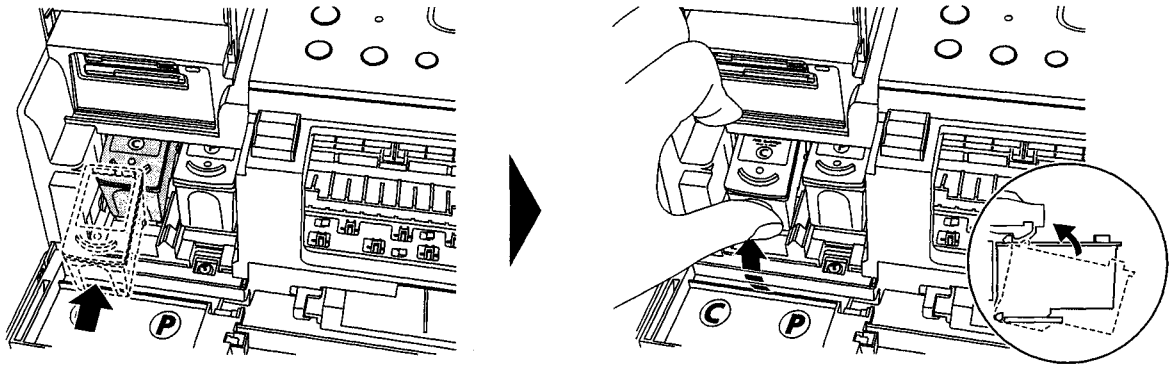
Important

- Do not reattach the protective tape once you have removed it.
- Handle the removed protective tape carefully to avoid getting your hands dirty or staining surrounding work area.
- Once the protective tape is removed, do not touch the electrical contacts or print head nozzles on a FINE Cartridge. The printer may not print out properly if you touch it.



5 Install the new FINE Cartridge.

The Color FINE Cartridge should be installed into the left slot (C) and the Photo FINE Cartridge should be into the right slot (P).



(1) Insert a new FINE Cartridge slightly slanted.

(2) Push up the FINE Cartridge until it clicks into place.

6 Close the front cover first and then close the card slot cover.

The FINE Cartridge holder moves to the right.

Note If straight lines are misaligned or the resulting output is unsatisfactory, align the print head position.
See "Aligning the Print Head - Auto head align" on page 38.

Important

- To maintain optimal print quality, we recommend that you use Canon brand FINE Cartridge. Replenishing ink only is also not recommended.
- Replace the FINE Cartridge promptly. Do not leave the FINE Cartridge removed.
- When a FINE Cartridge runs out of ink, replace the FINE Cartridge with a new one immediately. If you replace it with the FINE Cartridge that has been removed once, the printer may not print properly due to clogged print head nozzles. And, the low ink warning message which relays the exchange time of a FINE Cartridge will be off.
- To maintain optimal print quality, FINE Cartridge should be installed until the "recommended date of replacement". And, use up all ink in the FINE Cartridge within six months from its first use (We recommend that you take note of the date when the FINE Cartridge is installed to the printer).

What is Low Ink Warning?

The low ink warning is that the ink counter counts a remaining level of ink and tells you that FINE Cartridges are running out of ink before printing.

The ink counter considers as ink is full when new FINE Cartridge is installed, and then starts counting a remaining level of ink. For this, if old FINE Cartridge is installed, a remaining level of ink cannot be displayed correctly.

- When the following message appears on the LCD:

  C INK LOW
  P INK LOW
  You should purchase new FINE Cartridge.

  CHECK INK
  U162

  Printing stops. Possible causes are as follows:
  - This FINE Cartridge has previously been used.
  - Ink may have run out.

  The function for detecting the remaining ink level will be disabled since the remaining ink level cannot be correctly detected.

  Pressing the **OK** button cancels the error messages and enables continuation of printing. However, error detection function will be disabled after the error indication is canceled, therefore, the low ink warning message does not appear later on. When you install new FINE Cartridge, the low ink warning is enabled automatically.

Troubleshooting

Let's take a look at countermeasures against troubles which may occur during use of the printer.

Note Here, we will discuss errors indicated on the LCD, problems that might occur during direct printing from the digital camera. If you cannot find the symptom corresponding to a certain problem, refer to the *User's Guide*.

- **"An Error Message is Displayed on the LCD" on page 43**
- **"POWER Lamp and Alarm Lamp Flash Alternately" on page 45**
- **"An Unintended Language is Displayed on the LCD" on page 45**
- **"Ink Does Not Come Out/ Printing is Blurred/Colors are Wrong/White Streaks" on page 45**
- **"Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched" on page 46**
- **"Paper Jams" on page 48**
- **"Cannot Print Properly from the Digital Camera" on page 49**

■ An Error Message is Displayed on the LCD

If **Alarm** lamp lights and an error message is displayed on the LCD, take the corresponding countermeasure described below.

Message	Try This
NO PHOTOS ON CARD	• Photo data edited/processed on the computer should be printed from the computer, not from the camera. • There is no proper data in the memory card. See "Memory Cards Supported by This Printer" on page 9.
LOAD PAPER	Reload the paper correctly and press the **OK** button.
PAPER JAMMED	If paper has jammed in the printer, clear the jam, reload the paper in the printer correctly and then press the **OK** button. See "Paper Jams" on page 48.
CHECK INK U041	Replace the FINE Cartridge, and close the front cover. If lines are misaligned or the resulting output is not satisfactory, carry out the Print Head Alignment. If printing is in progress and you want to continue printing, press the **OK** button. Then printing can continue under the ink out condition with the FINE cartridge installed. Replace the empty FINE cartridge immediately after the printing. The resulting print quality is not satisfactory, if printing is continued under the ink out condition.
CHECK INK U051 U052 U053 U059	Possible causes are as follows: • The FINE Cartridge may not be installed properly. • The FINE Cartridge may not be the compatible with this printer. Install the appropriate FINE Cartridge. If lines are misaligned or the resulting output is not satisfactory, carry out the Print Head Alignment.
CHECK INK U075 U076	Some FINE Cartridges are not installed in place. Install the FINE Cartridges in the appropriate positions.
WASTE INK NEAR FULL	The printer has a built-in ink absorber to hold the ink used during print head cleaning, for example. This error message indicates that the ink absorber is nearly full. Press the **OK** button to cancel the error so you can continue printing. Before the ink absorber becomes completely full, contact the Customer Care Center. (You will need to replace a particular part of the printer.) Canon recommends that you call for service as soon as this error occurs. Once the ink absorber becomes completely full, printing cannot be performed until the ink tank is replaced.

Message	Try This
INCOMPATIBLE CAMERA	Disconnect the camera cable and reconnect it. Depending on the model or brand of your PictBridge compliant device, you may have to select a print mode before connecting the device. You may also have to turn on the device or select Play mode manually after connecting the device to the printer. Perform necessary operations according to the instruction manual supplied with your device. If the error is still unresolved, there is a possibility that you are using a digital camera or digital video camcorder that is not supported by this printer. PictBridge-compatible digital camera or digital video camcorder can be connected to your printer for Direct Printing.
HEAD ALIGNMENT ERROR	Possible causes are as follows: • Other than A4/Letter-sized plain paper is loaded. Press the **OK** button to clear the error, and then load A4/Letter-sized plain paper in the auto sheet feeder. • Print head nozzles are clogged. Press the **OK** button to clear the error, and then print the nozzle check pattern to examine the print head condition. For information on how to print a nozzle check pattern, See "Printing the Nozzle Check Pattern" on page 36. • The paper output slot has been exposed to a strong light source preventing current print head alignment. Press the **OK** button to clear the error and move the printer to a darker location. After carrying out the above measures, if the problem continues after aligning the print head again, press the **OK** button to clear the error, and then perform manual print head alignment. For details on manual print head alignment, see "Adjusting the Print Head Manually" on page 44.
CHECK INK U140	The FINE Cartridge may not be the compatible with this printer. Install the appropriate FINE Cartridge. If lines are misaligned or the resulting output is not satisfactory, carry out the Print Head Alignment.
CHECK INK U162	Possible causes are as follows: • This FINE Cartridge has previously been used. • Ink may have run out. The function for detecting the remaining ink level will be disabled since the remaining ink level cannot be correctly detected. If you want to continue printing without this function, press the **OK** button. Canon recommends to use new genuine Canon cartridges in order to obtain optimum qualities.
CHECK PRINTER	An error that requires contacting the Customer Care Center may have occurred. (**POWER** lamp and **Alarm** lamp alternately.) Disconnect the printer cable from the printer, and then turn the printer off and unplug the printer from the power supply. Plug the printer back in and turn the printer back on after leaving it for a while. If the problem remains, contact the Customer Care Center.

Note

Adjusting the Print Head Manually

If the automatic print head adjustment does not work or if you wish to adjust the print heads manually, follow the procedure below.

1. With the printer on, load a sheet of A4/Letter-sized plain paper in the auto sheet feeder.
2. Press the **Configuration** button repeatedly to select **MAINTENANCE**.
3. Use the ◀▶ buttons to select **ALIGN PRINT HEAD** and then press the **OK** button.

4. Examine the printed pattern and enter the number of column "A" with fewest white stripes using the ◀▶ buttons.
5. Press the **OK** button.
6. Repeat Steps (4) through (5) and enter the pattern numbers up to column "N".

■ POWER Lamp and Alarm Lamp Flash Alternately

Possible Cause	Try This
An error that requires contacting the Customer Care Center may have occurred	Disconnect the printer cable from the printer, and then turn the printer off and unplug the printer from the power supply. Plug the printer back in and turn the printer back on after leaving it for a while. If the problem remains, contact the Customer Care Center.

■ An Unintended Language is Displayed on the LCD

Possible Cause	Try This
The language you want to be displayed is not selected	Select the language according to the following procedure. (1) Press the **POWER** button to turn off the printer. (2) Press the **POWER** button to turn on the printer. (3) Press the **Configuration** button three times. If the Bluetooth unit is attached to the printer, press the **Configuration** button five times. (4) Press the ▶ button twice. (5) Press the **OK** button. (6) Press the ◀ button repeatedly to select the leftmost language. (7) Press the ▶ button the number of times in the following table according to your desired language.

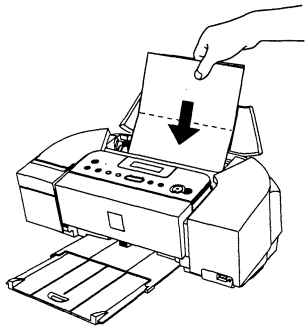
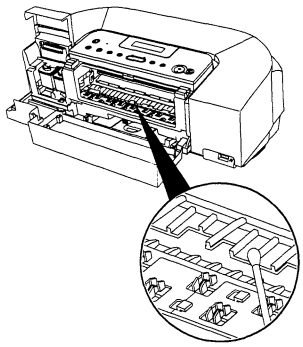
Language	Time(s)	Language	Time(s)
Japanese	0	Portuguese	7
English	1	Swedish	8
German	2	Russian	9
French	3	Czech	10
Italian	4	Hungarian	11
Spanish	5	Polish	12
Dutch	6	Turkish	13

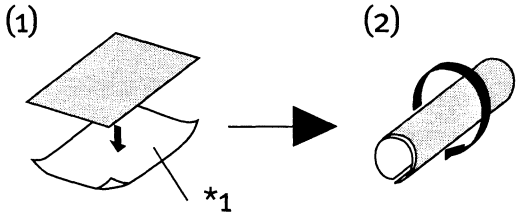
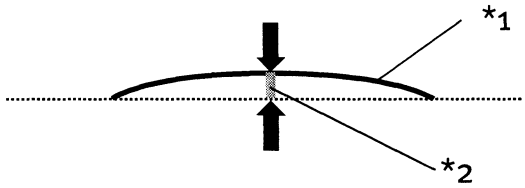
(8) Press the **OK** button.
The desired language is displayed on the LCD.
(9) Press the **Stop/Reset** button.

■ Ink Does Not Come Out/ Printing is Blurred/Colors are Wrong/White Streaks

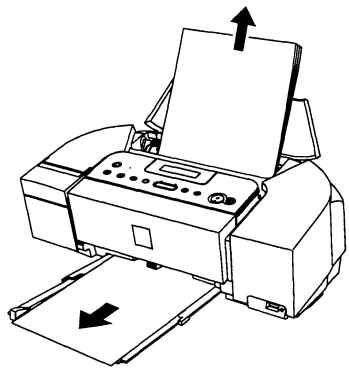
Possible Cause	Try This
A FINE Cartridge is not seated properly/FINE Cartridge is empty	• Open the card slot cover first and the front cover next, and press up the FINE Cartridge to install it properly. • Ensure that the specified FINE Cartridge is installed. If the specified FINE Cartridge is not used, good printing color quality cannot be expected. See "Replacing a FINE Cartridge" on page 39.
Incorrect media type	On the operation panel, confirm that the media type selected matches the paper loaded.
Print head nozzles clogged or shifted	Print the nozzle check pattern to check for uneven ink output. When a specific color is missing from the nozzle check pattern, clean the print head. • If ink supply is uneven: See "Print Head Cleaning" on page 37. • If straight lines are shifted: See "Aligning the Print Head - Auto head align" on page 38.
Media not loaded print-side up	Check that your paper is loaded with the correct print side facing up. **Note** Follow the instructions packaged with your specialty media for loading and handling.

■ Back of Paper is Smudged/Paper Does Not Feed Properly/Printed Surface is Scratched

Possible Cause	Try This
Inside of the printer is dirty	If the inside of the printer is dirty, printed paper may be smudged. Follow the steps described below to clean the inside of the printer. (1) Ensure that the printer is turned on and there is no paper loaded in the auto sheet feeder. (2) Place A4/Letter-sized plain paper in landscape, horizontally fold it in half. (3) Unfold the paper, and load the paper in the auto sheet feeder with the inverted-V edge down.  (4) Press the **Configuration** button repeatedly to select **MAINTENANCE**. (5) Use the ◀▶ buttons to select **BOTTOM CLEANING** and then press the **OK** button. Paper will be ejected. If protrusions inside the printer are stained, wipe ink off the protrusions using a swab or the like.  **Important** Before cleaning, be sure to turn off the printer.
Paper feed roller is dirty	Follow the steps described below to clean the paper feed rollers. Since the paper feed roller cleaning exhausts the paper feed roller, perform only when it is needed. (1) Ensure that the printer is turned on. If the paper is loaded in the printer, remove the paper. (2) Press the **Configuration** button repeatedly to select **MAINTENANCE**. (3) Use the ◀▶ buttons to select **ROLLER CLEANING** and then press the **OK** button. The paper feed roller will rotate as it cleans. (4) Repeat (2) through (3) twice. (5) Load three or more sheets of A4/Letter-sized plain paper lengthways in the auto sheet feeder. (6) Press the **Configuration** button repeatedly to select **MAINTENANCE**. (7) Use the ◀▶ buttons to select **ROLLER CLEANING** and then press the **OK** button. The paper that is loaded in the printer will feed through the printer and be ejected. (8) Repeat (6) through (7) three times. If repeating this procedure three times or more does not solve the problem, contact the Customer Care Center.

Possible Cause	Try This
Inappropriate media type is used	• Check to see if the paper you are printing on is too thick. See "Print Media to Avoid" on page 12. • Note that smudging may occur at the top and bottom edges of the paper when using borderless printing. Ensure that the paper you are using is compatible with borderless printing. If all four corners or the printing surface of the paper is curled, the paper may become dirty or not feed properly through the printer. Use the paper after correcting paper curl as follows. (1) Place the paper on a flat surface with the print side*1 face up, then cover it with plain regular paper to avoid damaging the surface. (2) Roll up the paper in the opposite direction as shown in the figure below.  (3) Check the printing paper if paper curl is corrected within approximately 2 to 5 mm/0.08 to 0.2 inches*2. It is recommended to print the curl-corrected paper one sheet at a time. 
Paper thickness lever position is not proper	Set the paper thickness lever to the left position. If the paper is scratched even when printing on plain paper, set the paper thickness lever to the right position. Return the paper thickness lever to the left after printing.

■ Paper Jams

Possible Cause	Try This
Landscape credit card-sized paper jams inside the printer	You cannot load credit card-sized paper in the landscape orientation. Slowly pull the paper out from the auto sheet feeder.
Paper jams in the paper output slot	Remove the paper according to the following procedure. (1) Slowly pull the paper out, either from the auto sheet feeder or from the paper output slot, whichever is easier.  • If the paper tears and a piece remains inside the printer, open the card slot cover first and the front cover next, and remove it. **⚠ Caution** Be careful not to touch any components inside the printer. After removing all paper, close the front cover first and the card slot cover next. If you cannot pull the paper out, turn the printer off and turn it back on. The paper will be ejected automatically. (2) Reload the paper into the printer and press the **OK** button. If you cannot remove the paper or if the paper tears inside the printer, or if the paper jam error continues after removing the paper, contact the Customer Care Center.

■ Cannot Print Properly from the Digital Camera

The following are the possible errors that may occur when printing directly from a digital still camera or digital video camcorder*, and the countermeasures to eliminate them.

* Hereafter, the digital still camera and digital video camcorder are collectively called a digital camera or camera.

Note This section describes errors that are indicated on Canon-brand PictBridge-compatible cameras.
The error messages and operations may vary depending on the camera you are using. If you cannot clear the error on your device, check the error message displayed on the LCD of the printer, and then clear it. For details, see "An Error Message is Displayed on the LCD" on page 43.

Error message on camera	Try This
Printer in use	Images are being printed from the computer. Wait until printing ends. The printer automatically starts printing the images from the camera after completing the current printing. If the printer is warning up, wait until warm-up ends. When it is ready, the printer starts printing automatically.
No paper	Load paper in the auto sheet feeder, and select **Continue**[*1] in the display on your camera.
Paper jam	Select **Stop** in the display on your camera to stop printing. Remove the jammed paper, load new paper, and press the **OK** button on the printer and retry printing.
Paper lever error	Set the paper thickness lever to the left position. If the paper is scratched even when printing on plain paper, set the paper thickness lever to the right position. Return the paper thickness lever to the left after printing.
Printer cover open	Close the front cover on the printer.
No printhead	Possible causes are as follows: • The FINE Cartridge may not be installed properly. • The FINE Cartridge may not be the compatible with this printer. Install the appropriate FINE Cartridge. If lines are misaligned or the resulting output is not satisfactory, carry out the print head alignment. • Some FINE Cartridges are not installed in place. Install the FINE Cartridges in the appropriate positions.
Waste tank (ink absorber[*2]) full/ Ink absorber[*2] full	The printer has a built-in ink absorber to hold the ink used during print head cleaning, for example. You can continue printing for a while by selecting **Continue**[*1] in the display on your camera. However, because printing is disabled once the ink absorber becomes completely full and until the ink tank is replaced, you are recommended to contact the Customer Care Center as early as possible. (You will need to replace a particular part of the printer.)

Error message on camera	Try This
No ink	Possible causes are as follows: • The ink has run out. Replace the FINE Cartridge, and close the front cover. If lines are misaligned or the resulting output is not satisfactory, carry out the print head alignment. If printing is in progress and you want to continue printing, press the **OK** button on the printer. Then printing can continue under the ink out condition with the FINE Cartridge installed. Replace the empty FINE Cartridge immediately after the printing. The resulting print quality is not satisfactory, if printing is continued under the ink out condition. • Some FINE Cartridges are not installed in place. Install the FINE Cartridges in the appropriate positions. • The FINE Cartridge may not be the compatible with this printer. Install the appropriate FINE Cartridge. If lines are misaligned or the resulting output is not satisfactory, carry out the print head alignment. • This FINE Cartridge has previously been used. • Ink may have run out. The function for detecting the remaining ink level will be disabled since the remaining ink level cannot be correctly detected. If you want to continue printing without this function, press the **OK** button. Canon recommends to use new genuine Canon cartridges in order to obtain optimum qualities.
Printer error	An error requiring servicing might have occurred. (Printer **POWER** lamp and **Alarm** lamp flash alternately.) Disconnect the cable between the printer and the camera. Turn off the printer and unplug the power cord of the printer from the power supply. After a while, plug the power cord of the printer back in, turn on the printer, and then reconnect the camera to the printer. If the same problem occurs, contact the Customer Care Center.
Hardware Error	FINE Cartridge errors have occurred. Replace the FINE Cartridge. See "Replacing a FINE Cartridge" on page 39.

*1 To resume printing, you can press the **OK** button on the printer instead of selecting **Continue**.
*2 The ink absorber absorbs ink used during cleaning, for example. If this message appears, you will need to call for servicing to replace the absorber and to check the printer for proper operation.

Notes

- PictBridge-compatible digital cameras can be connected to your printer for direct printing.
- A communication time out occurs if printing takes a long time or if it takes too much time to send data. This may stop printing. In such a case, disconnect the cable between the printer and the camera, and reconnect it. Then, turn the camera on, if it does not automatically turn on just by connecting the cable. If the problem is still unresolved, select some other photo and check if it can be printed or not.
- Depending on the model or brand of your PictBridge compliant device, you may have to select a print mode before connecting the device. You may also have to turn on the device or select Play mode manually after connecting the device to the printer. Perform necessary operations according to the instruction manual supplied with your device.
- The print head nozzles may be clogged if printing becomes faint or colors are incorrect. See "When Printing Becomes Faint or Colors are Incorrect" on page 35.
- If the paper is curled or its surface is scratched during printing, make sure that you are using the correct type of paper. If this error occurs even when you are using the correct type of paper, set the paper thickness lever to the right position.
- To disconnect the cable connected between a digital camera and printer, follow the procedure below.
  1. Disconnect the cable from the printer.
  2. Turn off the digital camera.
  3. Disconnect the cable from the digital camera.

  When disconnecting the cable, be sure to hold the connector by its sides.
- For the errors indicated on the camera and their solution, also refer to the user's manual of the camera. For other troubles on the digital camera, contact the manufacturer of the camera.

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Direct Printing Guide

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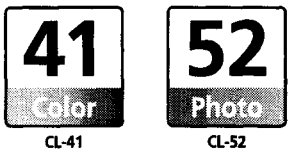
Canon Mexicana
Boulevard Manuel Avila Camacho No. 138 PB
y Pisos 15, 16 y 17, Colonia Lomas de Chapultepec
Delegación Miguel Hidalgo, CP 11000, Mexico D.F.

The following FINE Cartridges are compatible with this printer.



The following FINE Cartridge (High Yield) is compatible with this printer as an option.

For details on FINE Cartridge replacement, refer to "Replacing a FINE Cartridge" in this guide.

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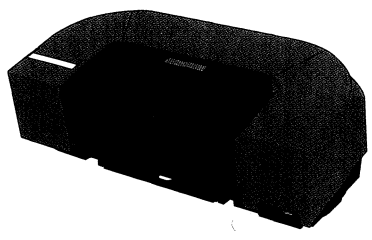
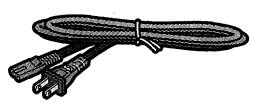
Canon

1 Unpack the Printer

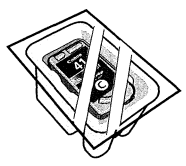
Carefully remove all items from the box.



PIXMA iP6310D Photo Printer



Power Cord



Color FINE Cartridge
(CL-41)

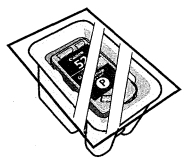


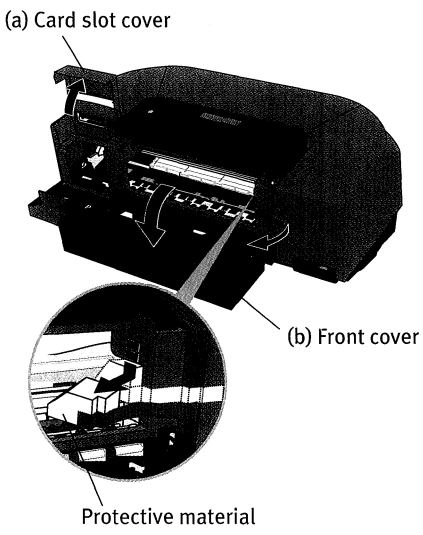
Photo FINE Cartridge
(CL-52)

Documentation and
Software Kit

2 Prepare the Printer

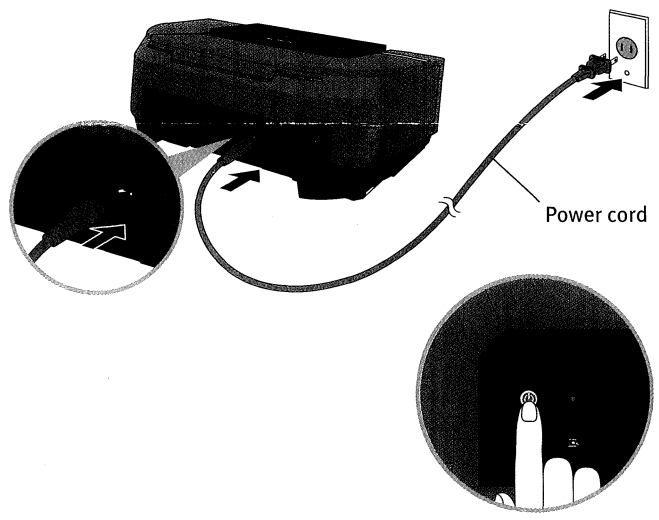
❶ Remove the shipping tape from the front and back of the printer.

❷ Open (a) the card slot cover first and (b) the front cover next, Pull down and remove the protective material on the right side.



❸ Close the front cover first and the card slot cover next.

❹ Plug the power cord into the back of the printer and connect the other end to a power outlet.
Press the **POWER** button. The printer will initialize. Wait until the **POWER** lamp remains fully lit.

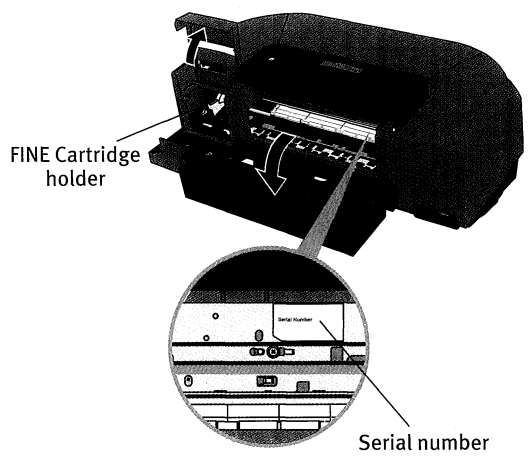


NOTE: Do not connect the USB cable at this stage.

❺ When the screen appears on the LCD, confirm a language and then press the **OK** button.

NOTE:
- If the language you want to be displayed is not selected, refer to "An Unintended Language is Displayed on the LCD" in the *Direct Printing Guide*.
- If you leave the printer more than five minutes without using any button on the operation panel, the LCD goes into sleep mode automatically. Press the **OK** button to turn on the LCD again.

❻ Open the card slot cover first and the front cover next.
The FINE Cartridge holder automatically moves to the left.
Write down the serial number. You will need this to register the product.



Start Here

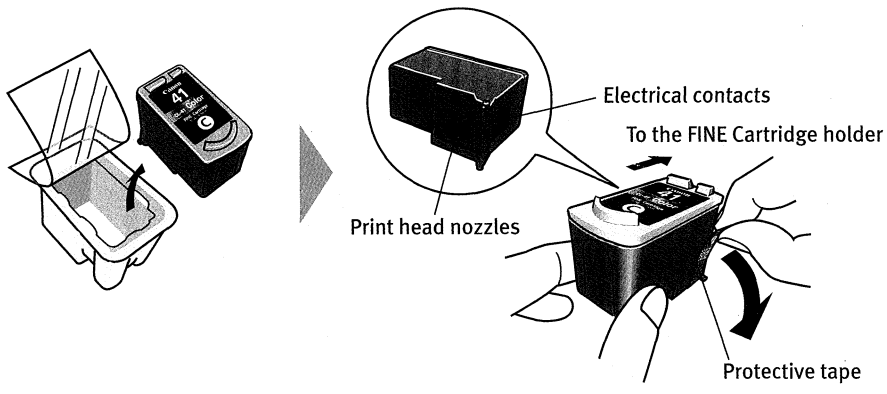
Easy Setup Instructions

PIXMA iP6310D Series

Photo Printer

3 Install the FINE Cartridges

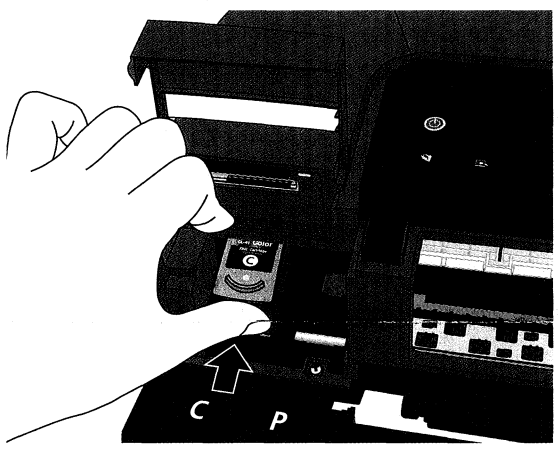
❶ Take out the Color FINE Cartridge (CL-41) from its box and remove the protective tape gently.



NOTE:

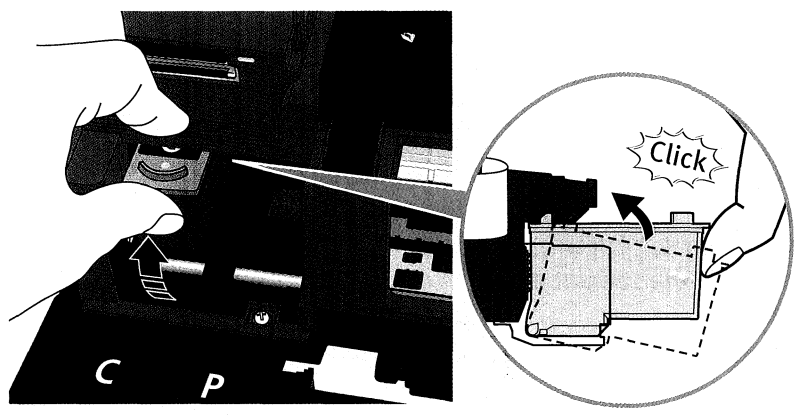
- Do not touch the electrical contacts or print head nozzles on a FINE Cartridge. The printer may not print out properly if you touch it.
- Do not reattach the protective tape once you have removed it.
- Handle the removed protective tape carefully to avoid getting your hands dirty or staining surrounding work area.

❷ Insert the Color FINE Cartridge slightly slanted into the left slot (C).

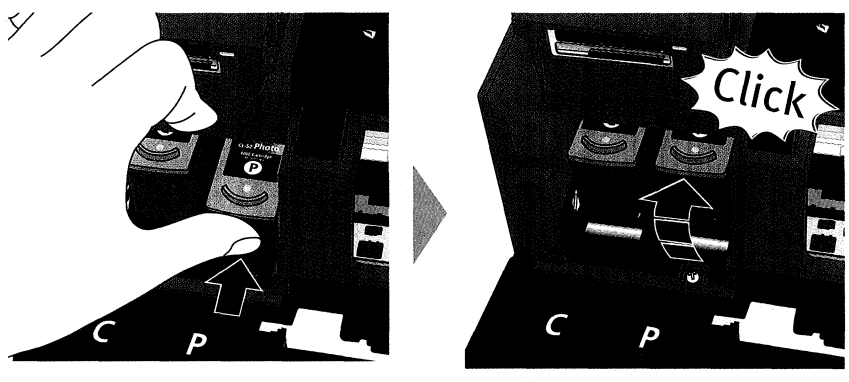


❸ Push up the Color FINE Cartridge until it clicks into place.

IMPORTANT: For correct printer operation, make sure the FINE Cartridge is secure in slots.



❹ Repeat the procedure for the Photo FINE Cartridge (CL-52), inserting it into the right slot (P).



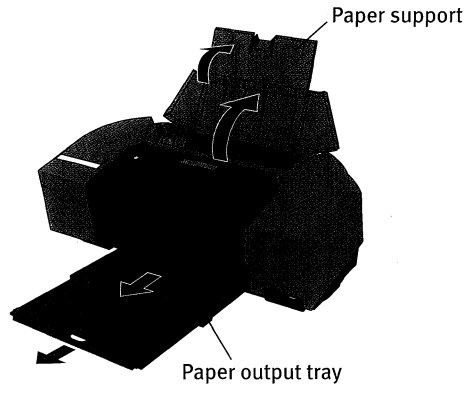
❺ Close the front cover first and the card slot cover next.

IMPORTANT: Wait until the preparatory operation is complete; this takes about one to two minutes.

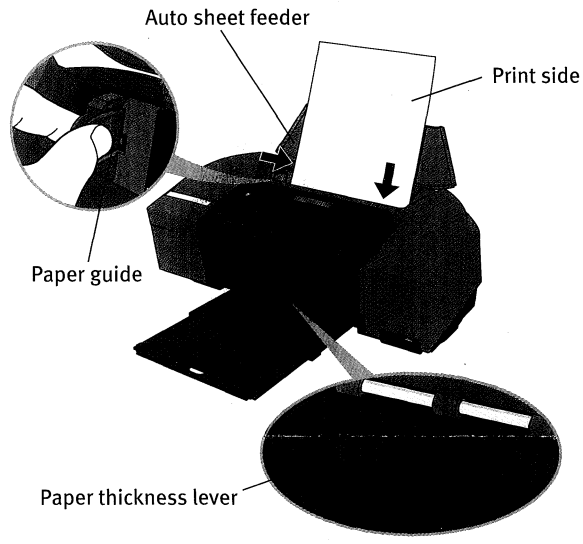
The message requesting head alignment is displayed on the LCD.
Go to the next step.

4 Align the Print Head (FINE Cartridge)

❶ Open the paper support and pull out the paper output tray.

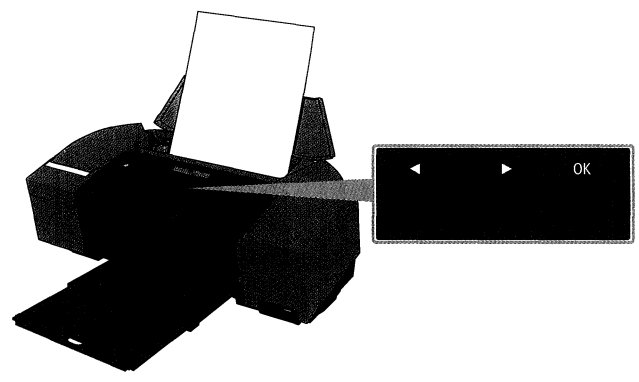


❷ Pinch the paper guide and slide it to the left. Load a few sheets of blank paper into the auto sheet feeder, then slide the paper guide toward the left edge of the paper.



NOTE: Ensure that the paper thickness lever is set to the left position.

❸ Ensure that the message requesting head alignment is displayed on the LCD, select **YES** using the ◀▶ buttons and press the **OK** button.



The pattern is printed. And the print head is aligned automatically.

IMPORTANT: It takes about four minutes to finish printing.

When automatic print head alignment can not be executed correctly, the message "**HEAD ALIGNMENT ERROR**" is displayed on the LCD. refer to "**An Error Message is Displayed in the LCD**" in the *Direct Printing Guide*.

Continue with Step 5 on side two.

Canon

5 Windows® Printer Driver Installation

Windows

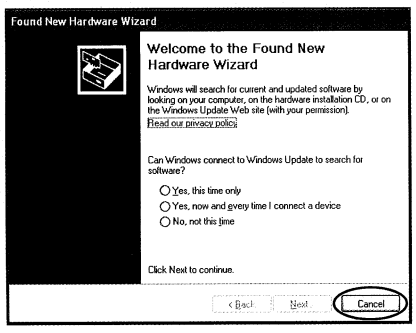
The screens below refer to Windows XP Service Pack 2 installation. Screens may differ depending on the operating system you are using.

❶ **TURN THE PRINTER OFF.**
You hear the operation sound until the printer is turned off. It may take about 20 seconds.

❷ Turn the computer on and start Windows.

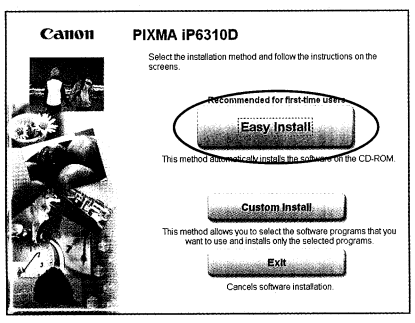
NOTE:
- Before installing the driver, disable all anti-virus programs and automatically loading programs.
- For Windows XP or Windows 2000, log on to Windows as a member of **Administrators** group before continuing.

IMPORTANT: If you see the Found New Hardware Wizard, click **Cancel.** Next, remove the USB cable connected to your computer. Then proceed from step 3 to install the printer driver.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next
Cancel

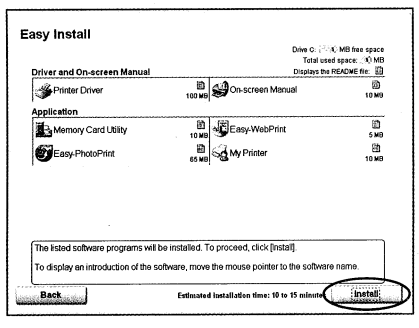
❸ Insert the *Setup CD-ROM*.
The setup program should run automatically.

❹ When the main menu screen appears, click **Easy Install** and follow the on-screen instructions.


Canon
PIXMA iP6310D
Select the installation method and follow the instructions on the screens.
Recommended for first-time users
Easy Install
This method automatically installs the software on the CD-ROM.
Custom Install
This method allows you to select the software programs that you want to use and installs only the selected programs.
Exit
Cancels software installation.

NOTE:
- Select **Easy Install** in order to install application software, on-screen manual, utility and printer drivers. Select **Custom Install** in order to choose the options you would like to install.
- To install PhotoRecord or Adobe® RGB (1998), click **Custom Install** and follow the instruction on the screen.
- Adobe RGB (1998) cannot be installed in Windows Me and Windows 98.

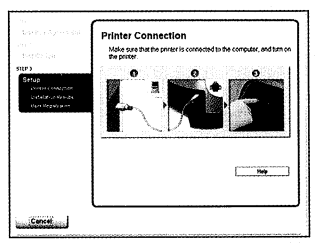
❺ When the **Easy Install** screen appears, click **Install.**

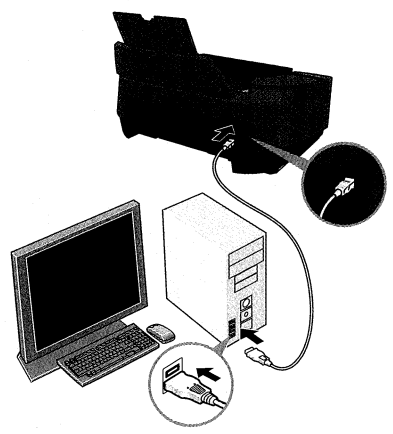


NOTE: Move the cursor over items to display explanations of each application below.

❻ Read the **License Agreement**, then click **Yes.**
Follow the on-screen instructions to install the software.
If the message asking for your confirmation to restart your computer appears, click **OK.** The system is restarted automatically.

❼ When the **Printer Connection** screen appears, connect the USB cable to the computer and the other end to the printer.



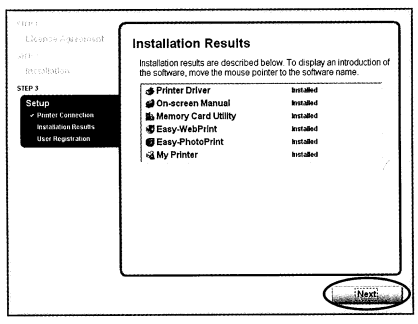


❽ **TURN THE PRINTER ON.**

IMPORTANT: If you cannnot proceed to the next procedure after two minutes, refer to "Troubleshooting" instructions in the *Quick Start Guide*.

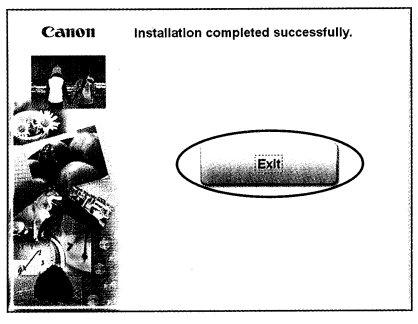
If the message asking for your confirmation to restart your computer appears, click **OK.**
The system is restarted automatically.

❾ Follow the on-screen instructions to install the remaining software. When the **Installation Results** screen appears, click **Next.**



❿ Follow the on-screen instructions to register your product.
If the message asking for your confirmation to restart your computer appears, click **OK.**
The system is restarted automatically.

⓫ When the **Installation completed successfully** screen appears, click **Exit.**
If **Restart** is displayed, ensure the **Restart the system now (recommended)** check box is selected, then click **Restart.**



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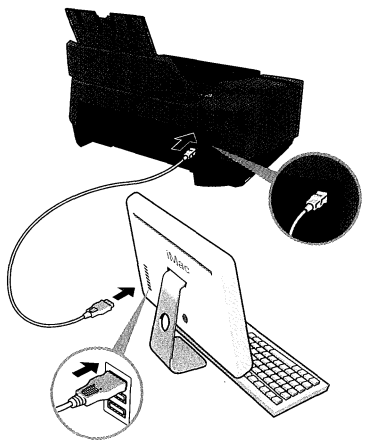
5 Macintosh® Printer Driver Installation

Macintosh

NOTE:

- Before installing the driver, disable all anti-virus programs and automatically loading programs.
- Use Mac®OS X v.10.2.8 to 10.4.x.
- The screens below refer to Mac OS X v.10.4.x installation. Screens may differ depending on the operating system you are using.
- Do not remove or insert the USB cable during installation, as this may result in the computer or printer not operating normally.

❶ Connect the end of the USB cable to the computer, the other to the printer.



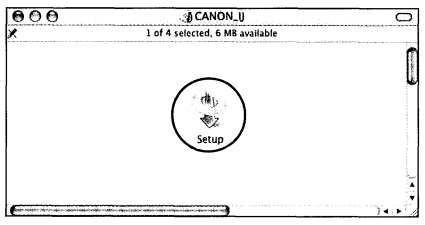
❷ Turn on the computer and start Mac OS X.

❸ Insert the *Setup CD-ROM*.

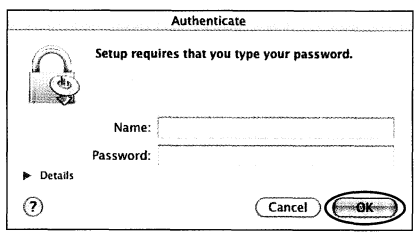
NOTE:

- If the **CD-ROM** folder does not open automatically, double-click the **CD-ROM** icon on the desktop.
- Log on as an **Administrator** before continuing.

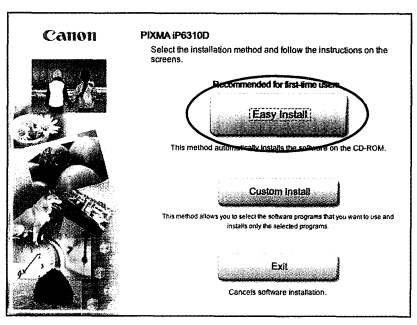
❹ Double-click the **Setup** icon.



❺ When the **Authenticate** screen appears, enter your administrator name and password. Click **OK**.
If you do not know your administrator name or password, click ? on the lower-left corner of the screen, then follow the on-screen instructions.

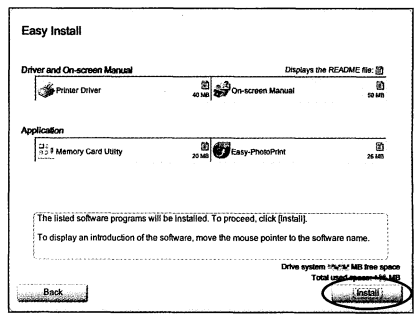


❻ When the main menu screen appears, click **Easy Install** and follow on-screen instructions.


Canon
PIXMA iP6310D
Select the installation method and follow the instructions on the screens.
Recommended for first-time Users
Easy Install
This method automatically installs the software on the CD-ROM.
Custom Install
This method allows you to select the software programs that you want to use and installs only the selected programs.
Exit
Cancels software installation.

NOTE: Select **Easy Install** in order to install application software, on-screen manual, utility and printer drivers. Select **Custom Install** in order to choose the options you would like to install.

❼ When the **Easy Install** screen appears, click **Install.**

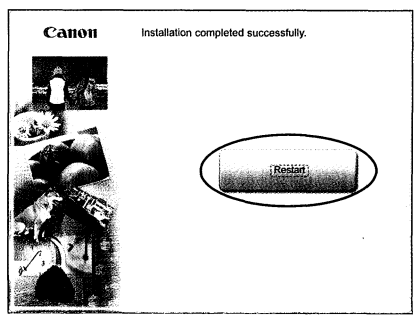


NOTE: Move the cursor over items to display explanations of each application bellow.

❽ Read the **License Agreement**, then click **Yes**. Follow the on-screen instructions to install the software.

❾ Follow the on-screen instructions to register your product.

❿ When the **Installation completed successfully** screen appears, click **Restart.**



⓫ After restarting the computer, select **Applications** from the **Go** menu.
Double-click the **Utilities** folder, and then double-click the **Printer Setup Utility** (**Print Center** when you use Mac OS X v.10.2.8) icon. Check that your printer name is displayed on the **Printer List**. If your printer name is not displayed on the **Printer List**, click **Add** to add the printer.
For details, refer to the Printer Setup Utility Help or Mac Help.

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PIXMA iP6310D

Setup CD-ROM

USCD 1.0

QH7-2144

Driver
Application Software
Manual

COMPACT disc

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CREATIVE PARK
Travel Guide

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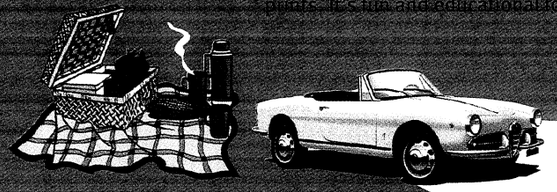
You'll also get to know how the printing process works, helping you get the best out of your prints. It's fun and educational for the entire family!



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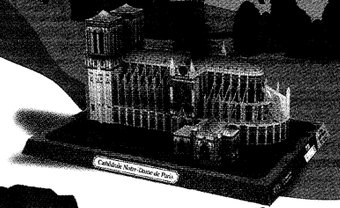

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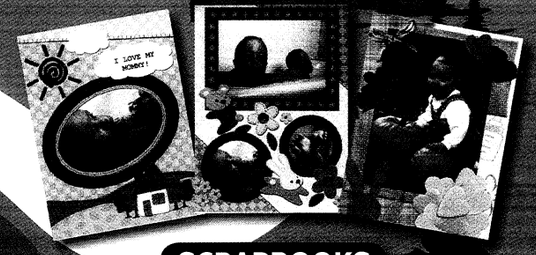

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Scrapbooking is all the rage and creating your own has never been easier!! Download from a large number of templates and place your images however you want!. Canon Photo Paper Plus Semi-Gloss Double Sided is the perfect companion

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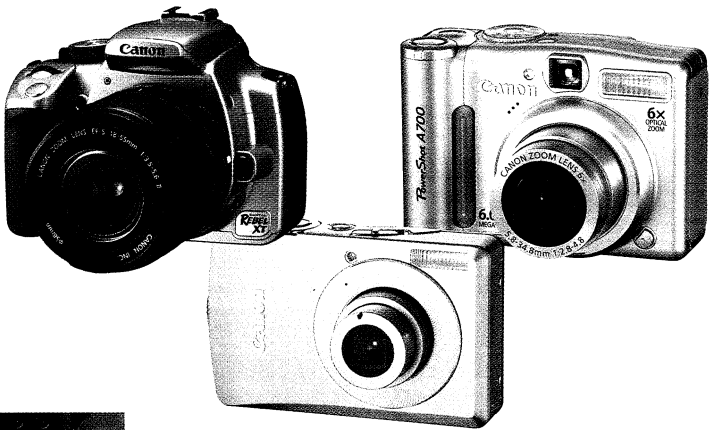

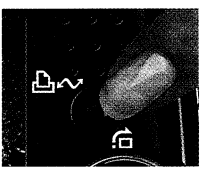

Print/Share Button

Printing without a computer just got even easier! First, connect a Canon PowerShot camera with the advanced Print/Share* button to a PictBridge compatible printer. Then, with the desired image displayed on the camera's LCD (in playback mode), press the Print/Share button. In seconds you'll have a brilliant photograph of that image. How easy was that?

* For a list of Canon cameras featuring a Print/Share button, visit www.usa.canon.com/consumer/directprint.

ChromaLife100

A System for Long-lasting Photos. The Canon ChromaLife100 system combines the FINE print head technology and newly developed inks with select Canon photo papers, with results rivaling that of many conventional photos.

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Canon PIXMA™ iP6310D Photo Printer Registration Card

Thank you for purchasing a Canon **PIXMA iP6310D** Photo Printer. To help us serve you better, complete and return this Registration Card. Simply fill out the following questions and mail this card or fax it to 1-800-567-3229. *Note: The toll-free number is for Registration Cards only. No operator will answer this number.*

V1PIP6310[redacted]

☐ Mr. ☐ Ms.

1

First Name | Initial | Last Name

Company Name

Mailing Address | Apt. No./Suite

City | State | Zip

Home Phone w/Area Code

Business Phone w/Area Code | Business Phone Extension

E-Mail Address

Fold Here

2 Where did you purchase this printer?

Name of Store

3 Date of purchase: Month ___ Day ___ Year ___

4 Serial number (located inside the printer):

5 Which operating system are you using with your PC?

☐ Windows® XP ☐ Windows 2000 ☐ Mac® OS X
☐ Windows Me ☐ Windows 98 ☐ Other _____

6 Did you purchase a PC at the SAME TIME you purchased this printer?

☐ Yes ☐ No

7 Where will this printer be primarily used? Check ONE only:

☐ Home business
☐ Small business (outside of home)
☐ Home (personal/family/creative)
☐ Home (work brought from office)
☐ Corporate office
☐ Government/Military/Law enforcement
☐ Educational institution

8 Consumer Imaging Group of Canon U.S.A., Inc. often updates the software and firmware for its products. Would you like to receive notice when these software and firmware updates are available for your product?

☐ Yes ☐ No

9 On occasion, Consumer Imaging Group of Canon U.S.A., Inc. may want to send you information about other Canon products and promotions that may be of interest to you. Would you like to receive this information?

☐ Yes ☐ No

The following questions are strictly optional and will only be used by Canon.

10 ☐ Male ☐ Female

11 AGE
☐ Under 18
☐ 18 to 24
☐ 25 to 34
☐ 35 to 44
☐ 45 to 54
☐ 55 to 64
☐ 65 or older

12 ANNUAL INCOME

☐ $15,000 to $30,000
☐ $30,001 to $50,000
☐ $50,001 to $75,000
☐ $75,001 to $150,000
☐ $150,001 +

V1PIP6310[redacted]

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PIXMA
iP6310D
Photo Printer

Registration Card

Congratulations on purchasing a Canon PIXMA™ iP6310D Photo Printer.
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products and promotions that may be of interest to you.

4 easy ways to register:

1. Visit our Web site at **www.registercanon.com** *or*
2. Send electronically through driver installation *or*
3. Mail in this card *or*
4. Fax this card to **1-800-567-3229**

Please be sure to register using only 1 of the 4 easy methods.